JonesEdmunds

CITRUS COUNTY CENTRAL LANDFILL
NEW WELL INITIAL SAMPLING REPORT
JULY 2022

Citrus County Board of County Commissioners | September 2022

CITRUS COUNTY CENTRAL LANDFILL
NEW WELL INITIAL SAMPLING REPORT
JULY 2022

FDEP Permit No. 21375-018-SO/01

WACS Facility ID: 39859

Prepared for:

CITRUS COUNTY BOARD OF COUNTY COMMISSIONERS

PO Box 340

Lecanto, Florida 34460

Prepared by:

JONES EDMUNDS & ASSOCIATES, INC.

730 NE Waldo Road

Gainesville, Florida 32641

September 2022

Troy D Hays

Digitally signed by Troy D Hays
DN: CN=Troy D Hays, OU=A01410C000001729FB5FC9400007C39, O=JONES EDMUNDS AND ASSOCIATES INC., C=US
Reason: I am approving this document
Date: 2022.09.20 13:16:39-04'00'

Troy D. Hays, PG
Florida License # 2679

JonesEdmunds
Integrity • Knowledge • Service

September 20, 2022

Ms. Hannah Westervelt
Environmental Manager-Compliance Assurance Program
Florida Department of Environmental Protection – Southwest District
13051 N Telecom Parkway, Suite 101
Temple Terrace, FL 33637

RE: Citrus County Class I Central Landfill
New Well Installation Report for MW-7(S), MW-7C(D), and MW-20C
Permit No.: 21375-025-SO-01
WACS Facility ID: 39859
Jones Edmunds Project No. 03860-086-01

Dear Ms. Westervelt:

This report provides the well completion reports and analytical results of the initial sampling event for the evaluation monitoring wells requested in FDEP correspondence dated November 23, 2021. Three new compliance wells were installed at the Citrus County Class I Central Landfill at the locations detailed in correspondence to your office dated February 16, 2022 and March 23, 2022.

We have had considerable difficulty getting this work scheduled and completed due to driller staffing shortages and their back log of work. We appreciate FDEP's efforts to work with the County during the installation and sampling of these wells.

Compliance Well Installation

The three new compliance wells were scheduled to be installed using Sonic drilling technology; however, due to the unique geology under the Citrus County Central Landfill, it was discovered during drilling that this method is not the best option for this site. The Central Landfill is underlain by approximately 120 ft of dry sand before encountering the limestone units of the Floridan Aquifer. This long column of dry sand caused the conductor casing used for sonic drilling to lock up and prohibit advancing of the drill stem.

After much effort and using the conductor casing as a permanent steel casing for the wells (it could not be removed), the first two wells—MW-7C(S) and MW-7C(D)—were installed using sonic methods. The drillers subsequently remobilized a traditional mud-rotary drill rig for the third well—MW-20C—and installed a PVC surface casing to 80ft bls with the well installed inside of the surface casing.

The well completion reports and development logs for each of the wells are included as Attachment 1. The top of casing elevation for the new compliance wells has not yet been surveyed. The well completion reports will be updated and resubmitted with the survey

information once it is acquired. The three wells were all installed to the total depths with the screen intervals as approved by FDEP.

The three compliance wells were developed by Jones Edmunds personnel using a surge and purge method. MW-7C(S) and MW-7C(D) both recharged adequately; however, MW-20C recharges extremely slow and low flow sampling procedures may need to be implemented for this well in the future.

Compliance Well Sampling

The three compliance wells were sampled in accordance with FDEP SOPs, and the samples were analyzed for the parameters listed in 62-701.510(7)(c). The parameter exceedances are discussed below.

- **MW-7C(D):** There were no exceedances observed in MW-7C(D) and the only detection of any VOCs was of Chloroform at a concentration of 1.2 ug/L, well below the GCTL of 70 ug/L. Benzene, the parameter that is the primary constituent of concern necessitating the installation of the MW-7 compliance wells, was reported as below the laboratory detection limit of 0.71 ug/L.
- **MW-7C(S):** The only parameter exceedance reported in MW-7C(S) was Mercury at a concentration of 4.45 ug/L (PDWS of 2 ug/L). A review of historical data indicates that this is a first-time exceedance of Mercury in any well at the Central Landfill. Mercury in MW-7 was reported as below the laboratory detection limit of 0.023 ug/L during the First Semiannual 2022 sampling event. Just as in MW-7C(D), Benzene was reported as below the laboratory detection limit.
- **MW-20C:** The were four exceedances reported in MW-20C. They are in Total Dissolved Solids (TDS), Arsenic, Iron, and Sodium. Table 1 shows the parameter concentrations reported in MW-20 for the First Semiannual 2022 sampling event compared to the concentrations reported for compliance well MW-20C.

Table 1: Parameter Exceedances in MW-20 compared to MW-20C

	State Standard	MW-20	MW-20C
TDS	500 mg/L	370	820
Arsenic	10 ug/L	15.7	10.2
Iron	300 ug/L	182,000	358
Sodium	160 mg/L	15.3	297
Benzene	1 ug/L	1.4	BDL

BDL: Below Detection Limit

The observed Arsenic and Iron exceedances in compliance well MW-20C are well below those observed in MW-20. The TDS and Sodium exceedances may be a function of the well installation process and the very slow recharge that occurs in this well.

Analysis and Path Forward

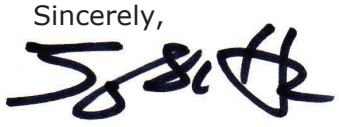
The initial sampling event of the three new compliance wells shows significantly lower concentrations in all three wells compared to the associated wells with the original exceedances (MW-7 and MW-20). The only parameters that are higher in the new compliance wells were TDS in MW-20C and Mercury in MW-7C(S). The elevated TDS can be attributed to the very slow recharge of the compliance well and the Mercury exceedance is an anomaly for this site as there is no other reported exceedances of Mercury.

Due to the significantly reduced or non-detect concentrations for the parameters of concern in the new compliance wells, no additional compliance wells are proposed at this time. The County will continue with quarterly monitoring of the new compliance wells for the parameters listed in 62-701.510(7)(a) plus all parameters detected in the initial sampling event presented herein for three more quarters. The quarterly sampling event reports will be submitted to FDEP in accordance with permit reporting requirements. If parameters appear to be increasing in any of the wells, additional delineation or remedial efforts may be proposed to FDEP.

Based on the analysis provided herein, the parameters of concern at the site are not expected to be violated outside the zone of discharge with the exception of the exceedance of Mercury in MW-7C(S). The observed exceedance of Mercury in MW-7C(S) is of concern and will be monitored closely. Due to the nature of the contamination observed at the site being sourced in landfill gas, MW-7C(S) is installed upgradient of the site and Mercury is not observed in MW-7. The site does not have a history of Mercury issues so this exceedance is an anomaly, and the concentrations will be evaluated with every quarterly sampling event.

Please call me at 352-258-9520 or email at thays@jonesedmunds.com with any questions or comments during your review of this report. The next quarterly sampling event is scheduled to be conducted in early October.

Sincerely,



Troy D. Hays, PG
Sr. Manager/Vice President
730 NE Waldo Road
Gainesville, FL 32641

M:\EnvDocs\Citrus County\2022\22M7\22M7_Citrus_Letter.docx

Attachment 1: Well Completion Reports and Well Development Logs
Attachment 2: Groundwater Parameters At or Above the Laboratory Detection Limit
Attachment 3: Parameter Monitoring Report Forms
Attachment 4: Original Laboratory Data
Attachment 5: Field Data Sheets

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 Citrus County Central Landfill

Address 230 W Gulf to Lake Hwy

City Lecanto, FL Zip 34461 County Citrus

Telephone Number (352) 527-7679

(2) WACS Facility ID 39859

(3) DEP Permit Number 21375-025-SO-01

(4) Authorized Representative's Name Troy D. Hays, PG - Jones Edmunds Title Senior Manager

Address 730 N.E. Waldo Road

City Gainesville, FL Zip 32641-5699 County Alachua

Telephone Number (352) 377-5821

Email address (if available) thays@jonesedmunds.com

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.

September 20, 2022
(Date)

(Owner or Authorized Representative's Signature)

PART II QUALITY ASSURANCE REQUIREMENTS

Sampling Organization Jones Edmunds and Associates, Inc.

Analytical Lab NELAC / HRS Certification # E83182

Lab Name Environmental Conservation Laboratories, Inc.

Address 10775 Central Port Drive, Orlando, FL 32824

Phone Number (407) 826-5314 (David Camacho, Project Manager)

Email address (if available) dcamacho@encolabs.com

ATTACHMENT 1

WELL COMPLETION AND WELL DEVELOPMENT LOGS

Florida Department of Environmental Protection

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

DEP Form # 62-701.900(30)
Form Title: Monitoring Well Completion Report
Effective Date: January 6, 2010
Incorporated in Rule 62-701.510(3), F.A.C.

MONITORING WELL COMPLETION REPORT

DATE: 9/19/2022

FACILITY NAME: Citrus County Central Class I Landfill

DEP PERMIT NO.: 21375-025-SO-01 WACS FACILITY ID NO.: 39859

WACS MONITORING SITE NUM.: WACS WELL NO.: MW-7C(d)

WELL TYPE: BACKGROUND ☐ DETECTION ☐ COMPLIANCE ■

LATITUDE: 28 ° 51 ' 04.44 " LONGITUDE: 82 ° 26 ' 04.35 "

(see back for LAT / LONG requirements):

Coordinate Accuracy Datum NAD 83 Elevation Datum

Collection Method Map Collection Date 6/30/2022

Collector Name Collector Affiliation

AQUIFER MONITORED: Floridan Aquifer

DRILLING METHOD: Sonic DATE INSTALLED: 6/30/2022

INSTALLED BY: EDS Environmental

BORE HOLE DIAMETER: 6.375 inch TOTAL DEPTH: 165 ft (BLS)

CASING TYPE: PVC CASING DIAMETER: 2 inch CASING LENGTH: 155 ft

SCREEN TYPE: Slotted SCREEN SLOT SIZE: 0.020 inch SCREEN LENGTH: 10 ft

SCREEN DIAMETER: 2 inch SCREEN INTERVAL: 155 ft TO 165 ft (BLS)

FILTER PACK TYPE: sand FILTER PACK GRAIN SIZE: 20/30

INTERVAL COVERED: 165 ft TO 153 ft (BLS)

SEALANT TYPE: fine sand SEALANT INTERVAL: 153 ft TO 150 ft (BLS)

GROUT TYPE: cement GROUT INTERVAL: 150 ft TO 0 ft (BLS)

TOP OF CASING ELEVATION (NGVD): N/A GROUND SURFACE ELEVATION (NGVD): N/A

DESCRIBE WELL DEVELOPMENT: Surge and Purge, See attached log

POST DEVELOPMENT WATER LEVEL ELEVATION (NGVD): 118.21 ft below top of casing

DATE AND TIME MEASURED: 6/6/2022 at 1308 hrs

REMARKS: The elevation survey is not yet compelte. The form will be updated and resubmitted with the elevation information when it is received.

NAME OF PERSON PREPARING REPORT: Troy Hays, Jones Edmunds & Assoc. Inc. 352-377-5821 thays@jonesedmunds.com

(Name, Organization, Phone No., E-mail)

NOTE: ATTACH AS-BUILT MW CONSTRUCTION DIAGRAM AND LITHOLOGIC LOG.(NGVD) NATIONAL GEODETIC VERTICAL DATUM OF 1988 (BLS) = BELOW LAND SURFACE

Latitude must be measured in degrees, minutes and seconds, to at least two (2) decimal places.

Longitude must be measured in degrees, minutes and seconds, to at least two (2) decimal places.

Eastings and northings (State Plane Coordinates) **must** be converted to latitude and longitude.

Coordinate Accuracy: the measured, estimated degree of correctness of the measurement. An accuracy of 15 feet or 5 meters is preferred.

Datum: the horizontal reference for measuring locations on the Earth's surface. NAD83-North American Datum of 1983 is preferred.

Elevation Datum: the reference datum from which elevation measurements are made. NGVD88 (National Geodetic Vertical Datum of 1988) is preferred.

Collection Method: the method or mechanism used to derive the measurements, e.g. GPS, map, aerial photo, etc.

Collection Date: the date and time on which the measurements were taken.

Collector Name: the name of the person taking the measurement.

Collector Affiliation: the agency or company for whom the collector works.

WELL DEVELOPMENT FIELD REPORT

Citrus County Land fill

PROJECT NAME / NUMBER: 03860-090-01-3000 PAGE: 1 of 1

WELL NUMBER: MW-7c (D) DATE: 06/06/22

WEATHER CONDITIONS: Clear skys, 29°c, wind < 3 mph

DEVELOPER (s): Royce Gamble

DEVELOPMENT TECHNIQUE: ESP (Grandfos Pump) Surge and Purge

TOTAL WELL DEPTH (Initial): 165.83 WELL DIAMETER: 2" PVC

TOTAL WELL DEPTH (Final): 165.83 SCREEN LENGTH: 10 ft

DEPTH TO WATER: 112.95 WELL VOLUME: 8.5

TIME	DTW	GALLONS PURGED	PUMP DEPTH (ft)	RATE (gpm)	TURB. (NTU)	PUMP SETTING (HZ)	COMMENTS
1108	112.95	-	bottom	1.0	-	260 Hz	Temp | Cond | D.O. | Ph | ORP
1138	118.18	30	160	1.0	5.72	250 Hz	27.0 195 4.93 8.45 -178.1
							light Gray tint, mostly Clear
1208	118.20	30	160	1.0	2.30	250 Hz	27.2 | 177 | 4.72 | 9.16 | -190.8
1238	118.21	30	160	1.0	1.87	250 Hz	27.0 | 173 | 4.48 | 8.73 | -183.6
1308	118.21	30	160	1.0	1.59	250 Hz	27.0 | 165 | 4.50 | 8.44 | -164.9
Total	Purged	±120	Purge water is Clear,				
			no odor, no sheen w/				
			good recharge.				

ADDITIONAL COMMENTS: Began w/ Surging the entre Column, then began purging about 5ft from the bottom. To begin, NTUs were light gray tint, but quickly turned mostly clear. Well water depth has been pretty Stable from the beg. of the purge. Really good and Stable recharge throughout Surge and Purge of this well. Initial draw down of +/- 5ft.

Florida Department of Environmental Protection

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

DEP Form # 62-701.900(30)
Form Title: Monitoring Well Completion Report
Effective Date: January 6, 2010
Incorporated in Rule 62-701.510(3), F.A.C.

MONITORING WELL COMPLETION REPORT

DATE: 9/19/2022

FACILITY NAME: Citrus County Central Class I Landfill

DEP PERMIT NO.: 21375-025-SO-01 WACS FACILITY ID NO.: 39859

WACS MONITORING SITE NUM.: WACS WELL NO.: MW-7C(s)

WELL TYPE: BACKGROUND ☐ DETECTION ☐ COMPLIANCE ■

LATITUDE: 28 ° 51 ' 03.93 " LONGITUDE: 82 ° 26 ' 04.329 "

(see back for LAT / LONG requirements):

Coordinate Accuracy Datum NAD 83 Elevation Datum

Collection Method Map Collection Date 6/30/2022

Collector Name Collector Affiliation

AQUIFER MONITORED: Floridan Aquifer

DRILLING METHOD: Sonic DATE INSTALLED: 6/30/2022

INSTALLED BY: EDS Environmental

BORE HOLE DIAMETER: 6.375 inch TOTAL DEPTH: 145 ft (BLS)

CASING TYPE: PVC CASING DIAMETER: 2 inch CASING LENGTH: 135 ft

SCREEN TYPE: Slotted SCREEN SLOT SIZE: 0.020 inch SCREEN LENGTH: 10 ft

SCREEN DIAMETER: 2 inch SCREEN INTERVAL: 135 ft TO 145 ft (BLS)

FILTER PACK TYPE: sand FILTER PACK GRAIN SIZE: 20/30

INTERVAL COVERED: 135 ft TO 133 ft (BLS)

SEALANT TYPE: fine sand SEALANT INTERVAL: 133 ft TO 131 ft (BLS)

GROUT TYPE: cement GROUT INTERVAL: 131 ft TO 0 ft (BLS)

TOP OF CASING ELEVATION (NGVD): N/A GROUND SURFACE ELEVATION (NGVD): N/A

DESCRIBE WELL DEVELOPMENT: Surge and Purge, See attached log

POST DEVELOPMENT WATER LEVEL ELEVATION (NGVD): 120.33 ft below top of casing

DATE AND TIME MEASURED: 7/22/2022 at 1206 hrs

REMARKS: The elevation survey is not yet compelte. The form will be updated and resubmitted with the elevation information when it is received.

NAME OF PERSON PREPARING REPORT: Troy Hays, Jones Edmunds & Assoc. Inc. 352-377-5821 thays@jonesedmunds.com

(Name, Organization, Phone No., E-mail)

NOTE: ATTACH AS-BUILT MW CONSTRUCTION DIAGRAM AND LITHOLOGIC LOG.(NGVD) NATIONAL GEODETIC VERTICAL DATUM OF 1988 (BLS) = BELOW LAND SURFACE

Latitude must be measured in degrees, minutes and seconds, to at least two (2) decimal places.

Longitude must be measured in degrees, minutes and seconds, to at least two (2) decimal places.

Eastings and northings (State Plane Coordinates) **must** be converted to latitude and longitude.

Coordinate Accuracy: the measured, estimated degree of correctness of the measurement. An accuracy of 15 feet or 5 meters is preferred.

Datum: the horizontal reference for measuring locations on the Earth's surface. NAD83-North American Datum of 1983 is preferred.

Elevation Datum: the reference datum from which elevation measurements are made. NGVD88 (National Geodetic Vertical Datum of 1988) is preferred.

Collection Method: the method or mechanism used to derive the measurements, e.g. GPS, map, aerial photo, etc.

Collection Date: the date and time on which the measurements were taken.

Collector Name: the name of the person taking the measurement.

Collector Affiliation: the agency or company for whom the collector works.

WELL DEVELOPMENT FIELD REPORT

PROJECT NAME / NUMBER: Citrus County Central CF **PAGE:** 1 of 1

WELL NUMBER: MW-7(S) **DATE:** 7/22/22

WEATHER CONDITIONS: Clear

DEVELOPER (s): Ryan GAMBLE

DEVELOPMENT TECHNIQUE: ESP (Grundfos) - Surge and Purge

TOTAL WELL DEPTH (Initial): 150.56 **WELL DIAMETER:** 2" PVC

TOTAL WELL DEPTH (Final): **SCREEN LENGTH:** 135' - 145' 10'

DEPTH TO WATER: 117.66 **WELL VOLUME:** 5.3

TIME	DTW	GALLONS PURGED	PUMP DEPTH (ft)	RATE (gpm)	TURB. (NTU)	PUMP SETTING (HZ)	COMMENTS
1002	117.66	—	148		71000	300 Hz	Orange/Brown Color to
		± 30	148		403	↓	begin. Surged well to mix
		± 50	148		218	↓	up Sediment at bottom
1102	125.68	± 60	148		111	↓	Turned off pump to let recharge
1130	117.68	—	140	1.0	69.1	242	Placed pump mid Screen
							and Slowed purge rate
				0.5			

	TIME	DTW	GALLONS PURGED	PUMP DEPTH (ft)	RATE (gpm)	TURB. (NTU)	PUMP SETTING (HZ)	Temp	COND	DO	PH	ORP
1142	~~1136~~	120.34	5.3	140	~~0.5~~ 0.34	19.7	245	28.2	480	0.48	6.99	195.5
1154	~~1142~~	120.35	10.6	140	~~0.5~~ 0.39	12.6	245	28.1	485	0.40	6.98	182.0
1206	~~1148~~	120.33	15.9	140	~~0.5~~ 0.34	11.7	245	28.2	482	0.40	6.97	179.1

ADDITIONAL COMMENTS:

Florida Department of Environmental Protection

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

DEP Form # 62-701.900(30)
Form Title: Monitoring Well Completion Report
Effective Date: January 6, 2010
Incorporated in Rule 62-701.510(3), F.A.C.

MONITORING WELL COMPLETION REPORT

DATE: 9/19/2022

FACILITY NAME: Citrus County Central Class I Landfill

DEP PERMIT NO.: 21375-025-SO-01 WACS FACILITY ID NO.: 39859

WACS MONITORING SITE NUM.: WACS WELL NO.: MW-20 C

WELL TYPE: BACKGROUND ☐ DETECTION ☐ COMPLIANCE ■

LATITUDE: 28 ° 51 ' 03.93 " LONGITUDE: 82 ° 26 ' 06.94 "

(see back for LAT / LONG requirements):

Coordinate Accuracy Datum NAD 83 Elevation Datum

Collection Method Map Collection Date 6/30/2022

Collector Name Collector Affiliation

AQUIFER MONITORED: Floridan Aquifer

DRILLING METHOD: Mud Rotary DATE INSTALLED: 6/30/2022

INSTALLED BY: EDS Environmental

BORE HOLE DIAMETER: 6.375 inch TOTAL DEPTH: 125 ft (BLS)

CASING TYPE: PVC CASING DIAMETER: 2 inch CASING LENGTH: 105 ft

SCREEN TYPE: Slotted SCREEN SLOT SIZE: 0.020 inch SCREEN LENGTH: 20 ft

SCREEN DIAMETER: 2 inch SCREEN INTERVAL: 105 ft TO 125 ft (BLS)

FILTER PACK TYPE: sand FILTER PACK GRAIN SIZE: 20/30

INTERVAL COVERED: 125 ft TO 103 ft (BLS)

SEALANT TYPE: fine sand SEALANT INTERVAL: 103 ft TO 101 ft (BLS)

GROUT TYPE: cement GROUT INTERVAL: 101 ft TO 0 ft (BLS)

TOP OF CASING ELEVATION (NGVD): N/A GROUND SURFACE ELEVATION (NGVD): N/A

DESCRIBE WELL DEVELOPMENT: Surge and Purge, See attached log

POST DEVELOPMENT WATER LEVEL ELEVATION (NGVD): 120.27 ft below top of casing

DATE AND TIME MEASURED: 7/22/2022 at 1415 hrs

REMARKS: The elevation survey is not yet complete. The form will be updated and resubmitted with the elevation information when it is received. This well recharges very slowly. Installed a surface casing to 80 ft bls.

NAME OF PERSON PREPARING REPORT: Troy Hays, Jones Edmunds & Assoc. Inc. 352-377-5821 thays@jonesedmunds.com

(Name, Organization, Phone No., E-mail)

NOTE: ATTACH AS-BUILT MW CONSTRUCTION DIAGRAM AND LITHOLOGIC LOG.(NGVD) NATIONAL GEODETIC VERTICAL DATUM OF 1988 (BLS) = BELOW LAND SURFACE

Latitude must be measured in degrees, minutes and seconds, to at least two (2) decimal places.

Longitude must be measured in degrees, minutes and seconds, to at least two (2) decimal places.

Eastings and northings (State Plane Coordinates) **must** be converted to latitude and longitude.

Coordinate Accuracy: the measured, estimated degree of correctness of the measurement. An accuracy of 15 feet or 5 meters is preferred.

Datum: the horizontal reference for measuring locations on the Earth's surface. NAD83-North American Datum of 1983 is preferred.

Elevation Datum: the reference datum from which elevation measurements are made. NGVD88 (National Geodetic Vertical Datum of 1988) is preferred.

Collection Method: the method or mechanism used to derive the measurements, e.g. GPS, map, aerial photo, etc.

Collection Date: the date and time on which the measurements were taken.

Collector Name: the name of the person taking the measurement.

Collector Affiliation: the agency or company for whom the collector works.

WELL DEVELOPMENT FIELD REPORT

PROJECT NAME / NUMBER: | **PAGE:** 1 of 1

WELL NUMBER: MW-20(c) | **DATE:** 7/22/22

WEATHER CONDITIONS: Cloudy, Some rain

DEVELOPER (s): Royce Gamble

DEVELOPMENT TECHNIQUE: ESP (Grundfos) Surge & purge

TOTAL WELL DEPTH (Initial): 124.70 | **WELL DIAMETER:** 2" PVC

TOTAL WELL DEPTH (Final): | **SCREEN LENGTH:** 105' - 125' 20'

DEPTH TO WATER: 113.11 | **WELL VOLUME:**

TIME	DTW	GALLONS PURGED	PUMP DEPTH (ft)	RATE (gpm)	TURB. (NTU)	PUMP SETTING (HZ)	COMMENTS
1252	113.11	-	122	0.4	>1000	300Hz	Orange/Brown Color to
							Begin, Surged well to
							Mix up Sediment at bottom
1259	121.93	±2.5	122	0.4		300Hz	Well purged Dry, Stopped
							pump to allow Recharge
							Water level currently at 121.93
1415	120.27						Restarted pump to get as
							much sediment out as I
							can
							Equipment volume is
							greater than the amount
							of water left in the well
							unable to purge anything
							else.

ADDITIONAL COMMENTS: I began placing the pump 2' off the bottom of the well and started pump setting at 300Hz. After about 2.5 gals well went dry. I stopped the pump to allow Recharge. Recharge is very poor.

WELL DEVELOPMENT FIELD REPORT

Citrus County Land fill

PROJECT NAME / NUMBER: 03860-090-01-3000 PAGE: 1 of 1

WELL NUMBER: MW-7c (D) DATE: 06/06/22

WEATHER CONDITIONS: Clear skys, 29°c, wind < 3 mph

DEVELOPER (s): Royce Gamble

DEVELOPMENT TECHNIQUE: ESP (Grandfos Pump) Surge and Purge

TOTAL WELL DEPTH (Initial): 165.83 WELL DIAMETER: 2" PVC

TOTAL WELL DEPTH (Final): 165.83 SCREEN LENGTH: 10 ft

DEPTH TO WATER: 112.95 WELL VOLUME: 8.5

TIME	DTW	GALLONS PURGED	PUMP DEPTH (ft)	RATE (gpm)	TURB. (NTU)	PUMP SETTING (HZ)	COMMENTS
1108	112.95	-	bottom	1.0	-	260 Hz	Temp | Cond | D.O. | Ph | ORP
1138	118.18	30	160	1.0	5.72	250 Hz	27.0 195 4.93 8.45 -178.1
							light Gray tint, mostly Clear
1208	118.20	30	160	1.0	2.30	250 Hz	27.2 | 177 | 4.72 | 9.16 | -190.8
1238	118.21	30	160	1.0	1.87	250 Hz	27.0 | 173 | 4.48 | 8.73 | -183.6
1308	118.21	30	160	1.0	1.59	250 Hz	27.0 | 165 | 4.50 | 8.44 | -164.9
Total	Purged	±120	Purge water is Clear, no odor, no sheen w/ good recharge.				

ADDITIONAL COMMENTS: Began w/ Surging the entre Column, then began purging about 5ft from the bottom. To begin, NTUs were light gray tint, but quickly turned mostly clear. Well water depth has been pretty Stable from the beg. of the purge. Really good and stable recharge throughout Surge and Purge of this well. Initial draw down of +/- 5ft.

ATTACHMENT 2

GROUNDWATER PARAMETERS AT OR ABOVE THE LABORATORY DETECTION LIMIT

ANALYSIS RESULTS COMPARED TO GROUNDWATER STANDARDS AND/OR GUIDANCE CONCENTRATIONS
CITRUS COUNTY CENTRAL LANDFILL
JULY 2022

PARAMETER		TOTAL DISSOLVED SOLIDS	ARSENIC	IRON	MERCURY	SODIUM
STANDARD UNITS		500 mg/L** mg/L	10 µg/L* µg/L	300 µg/L** µg/L	2 µg/L* µg/L	160 mg/L* mg/L
Assessment						
MW-7C(S)	07/25/2022	-	-	-	4.45	-
MW-7C(D)	07/25/2022	-	-	-	-	-
MW-20C	08/02/2022	820	10.2	358	-	297
QAQC						
EQUBLK1	07/25/2022	-	-	-	-	-

LEGEND

* =Primary Drinking Water Standard
** =Secondary Drinking Water Standard
*** =Chapter 62-777 Groundwater Cleanup Target Levels (GCTL)
@ =Analysis Result is at Groundwater Standard or GCTL
\- =Analysis Result is not at or outside Groundwater Standard or GCTL
NS =Not Sampled
NM =Not Measured

Note:

This table displays analysis results which were reported at or outside Groundwater Standards or GCTL.
Analysis results notated with "@" indicate that the analysis result was reported at the Groundwater Standard or GCTL.
Analysis results which were reported above the laboratory detection limit (reporting limit), but not at or above the Groundwater Standard or GCTL concentration are not displayed in this table.

PARAMETERS AT OR ABOVE THE LABORATORY DETECTION LIMIT
CITRUS COUNTY CENTRAL LANDFILL
JULY 2022

PARAMETER		CONDUC-TIVITY (FIELD)	DEPTH TO WATER FROM MEASURE PT	DISSOLVED OXYGEN (FIELD)	pH (FIELD)	REDOX POTENTIAL	TEMPER-ATURE (FIELD)	TURBIDITY (FIELD)	AMMONIA NITROGEN	CHLORIDE	NITRATE NITROGEN	TOTAL DISSOLVED SOLIDS	ANTIMONY
STANDARD UNITS		(1) uS/cm	(1) ft	(1) ppm	6.5-8.5 S.U.** S.U.	(1) mV	(1) deg C	(1) NTU	2.8 mg/L*** mg/L	250 mg/L** mg/L	10 mg/L* mg/L	500 mg/L** mg/L	6 µg/L* µg/L
Assessment													
MW-7C(S)	07/25/2022	489	117.68	0.15	7.00	80.6	30.1	3.31	<0.0098	6.5	0.085 I	260	<2.50
MW-7C(D)	07/25/2022	169	113.46	3.61	8.08	60.1	29.0	1.51	0.012 I	4.1 I	0.13 I	84	<2.50
MW-20C	08/02/2022	1270	113.97	4.27	7.05	145.7	29.5	26.2	0.059	13	<0.052	820	3.45 I
QAQC													
EQUBLK1	07/25/2022	-	-	-	-	-	-	-	<0.0098	<0.29	<0.052	<10	<2.50
TRIP1	07/25/2022	-	-	-	-	-	-	-	-	-	-	-	-
TRIP2	07/25/2022	-	-	-	-	-	-	-	-	-	-	-	-
TRIP3	08/02/2022	-	-	-	-	-	-	-	-	-	-	-	-

LEGEND

* =Primary Drinking Water Standard
** =Secondary Drinking Water Standard
*** =Chapter 62-777 - Groundwater Cleanup Target Level (GCTL)
(1) =No Standard
- =Not Analyzed

I = Value is between the Method Detection Level (MDL) and the Reporting Detection Level (RDL)
J = Estimated value
V = Analyte found in associated method blank
Q = Estimated value; analyte analyzed after acceptable holding time

PARAMETERS AT OR ABOVE THE LABORATORY DETECTION LIMIT
CITRUS COUNTY CENTRAL LANDFILL
JULY 2022

PARAMETER		ARSENIC	BARIUM	CHROMIUM	COPPER	IRON	MERCURY	NICKEL	SODIUM	1,4-DICHLORO-BENZENE	CHLORO-FORM	TOLUENE	TOTAL VOCS
STANDARD UNITS		10 µg/L* µg/L	2000 µg/L* µg/L	100 µg/L* µg/L	1000 µg/L** µg/L	300 µg/L** µg/L	2 µg/L* µg/L	100 µg/L* µg/L	160 mg/L* mg/L	75 µg/L* µg/L	70 µg/L*** µg/L	40 µg/L** µg/L	(1) µg/L
Assessment													
MW-7C(S)	07/25/2022	<6.10	<50.0	<5.00	<2.50	<50.0	4.45	<5.00	17.5	0.84 I	0.98 I	<0.72	1.82
MW-7C(D)	07/25/2022	<6.10	<50.0	<5.00	<2.50	<50.0	<0.0230	<5.00	11.3	<0.76	1.2	<0.72	1.2
MW-20C	08/02/2022	10.2	60.5 I	8.98 I	2.71 I	358	<0.0230	11.9	297	<0.76	2.7	<0.72	2.7
QAQC													
EQUBLK1	07/25/2022	<6.10	<50.0	<5.00	<2.50	<50.0	<0.0230	<5.00	<0.320	<0.76	<0.80	0.87 I	0.87
TRIP1	07/25/2022	-	-	-	-	-	-	-	-	<0.76	<0.80	<0.72	-
TRIP2	07/25/2022	-	-	-	-	-	-	-	-	<0.76	<0.80	<0.72	-
TRIP3	08/02/2022	-	-	-	-	-	-	-	-	<0.76	<0.80	<0.72	-

LEGEND

* =Primary Drinking Water Standard
** =Secondary Drinking Water Standard
*** =Chapter 62-777 - Groundwater Cleanup Target Level (GCTL)
(1) =No Standard
- =Not Analyzed

I = Value is between the Method Detection Level (MDL) and the Reporting Detection Level (RDL)
J = Estimated value
V = Analyte found in associated method blank
Q = Estimated value; analyte analyzed after acceptable holding time

ATTACHMENT 3

PARAMETER MONITORING REPORT FORMS

Citrus County Central Landfill
Parameter Monitoring Report

PART III Analytical Results

Facility WACS #: SWD/09/3985

Test Site ID #:

Well Name: MW-7C(S)

Classification of Ground Water: GII

Ground Water Elevation (NGVD):

Sampling Date/Time: 7/25/2022 2:33:00 PM

Report Period: JULY 2022

Well Purged: Y

Well Type: [ ] Background [ ] Intermediate
[ ] Compliance [ ] Water Supply
[ ] Detection [ ] Piezometer
[X] Assessment [ ] Leachate
[ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
082546	DEPTH TO WATER FROM MEASURE PT	SP	No	DEP SOP	7/25/2022 2:33:00 PM	117.68	Ft	Ft
000094	CONDUCTIVITY (FIELD)	SP	No	EPA 120.1	7/25/2022 2:33:00 PM	489	umhos/cm	0umhos/cm
000406	pH (FIELD)	SP	No	EPA 150.1	7/25/2022 2:33:00 PM	7.00	pH Units	pH Units
000010	TEMPERATURE (FIELD)	SP	No	EPA 170.1	7/25/2022 2:33:00 PM	30.1	°C	0°C
082078	TURBIDITY (FIELD)	SP	No	EPA 180.1	7/25/2022 2:33:00 PM	3.31	NTU	0NTU
000940	CHLORIDE	SP	No	EPA 300.0	7/27/2022 7:35:00 AM	6.5	mg/L	0.29mg/L
000620	NITRATE NITROGEN	SP	No	EPA 300.0	7/27/2022 7:35:00 AM	0.085 I	mg/L	0.052mg/L
000610	AMMONIA NITROGEN	SP	No	EPA 350.1	8/1/2022 9:53:00 AM	<0.0098	mg/L	0.0098mg/L
000299	DISSOLVED OXYGEN (FIELD)	SP	No	EPA 360.1	7/25/2022 2:33:00 PM	0.15	mg/L	0mg/L
001097	ANTIMONY	SP	No	EPA 6020B	7/28/2022 1:33:00 PM	<2.50	ug/L	2.50ug/L
001002	ARSENIC	SP	No	EPA 6020B	7/28/2022 1:33:00 PM	<6.10	ug/L	6.10ug/L
001007	BARIUM	SP	No	EPA 6020B	7/28/2022 1:33:00 PM	<50.0	ug/L	50.0ug/L
001012	BERYLLIUM	SP	No	EPA 6020B	7/28/2022 1:33:00 PM	<0.940	ug/L	0.940ug/L
001027	CADMIUM	SP	No	EPA 6020B	7/28/2022 1:33:00 PM	<2.00	ug/L	2.00ug/L
001034	CHROMIUM	SP	No	EPA 6020B	7/28/2022 1:33:00 PM	<5.00	ug/L	5.00ug/L
001037	COBALT	SP	No	EPA 6020B	7/28/2022 1:33:00 PM	<5.00	ug/L	5.00ug/L
001042	COPPER	SP	No	EPA 6020B	7/28/2022 1:33:00 PM	<2.50	ug/L	2.50ug/L
001045	IRON	SP	No	EPA 6020B	7/28/2022 1:33:00 PM	<50.0	ug/L	50.0ug/L
001051	LEAD	SP	No	EPA 6020B	7/28/2022 1:33:00 PM	<2.50	ug/L	2.50ug/L
001067	NICKEL	SP	No	EPA 6020B	7/28/2022 1:33:00 PM	<5.00	ug/L	5.00ug/L
001147	SELENIUM	SP	No	EPA 6020B	7/28/2022 1:33:00 PM	<6.50	ug/L	6.50ug/L
001077	SILVER	SP	No	EPA 6020B	7/28/2022 1:33:00 PM	<0.500	ug/L	0.500ug/L
000929	SODIUM	SP	No	EPA 6020B	7/28/2022 1:33:00 PM	17.5	mg/L	0.320mg/L
001059	THALLIUM	SP	No	EPA 6020B	7/28/2022 1:33:00 PM	<0.600	ug/L	0.600ug/L
001102	TIN	SP	No	EPA 6020B	7/28/2022 1:33:00 PM	<5.00	ug/L	5.00ug/L
001087	VANADIUM	SP	No	EPA 6020B	7/28/2022 1:33:00 PM	<5.00	ug/L	5.00ug/L
001092	ZINC	SP	No	EPA 6020B	7/28/2022 1:33:00 PM	<75.0	ug/L	75.0ug/L
071900	MERCURY	SP	No	EPA 7470A	7/28/2022 9:23:00 AM	4.45	ug/L	0.0230ug/L
049146	1,2-DIBROMO-3-CHLOROPROPANE	SP	No	EPA 8011	7/29/2022 6:29:00 AM	<0.012	ug/L	0.012ug/L
077651	1,2-DIBROMOETHANE (EDB)	SP	No	EPA 8011	7/29/2022 6:29:00 AM	<0.010	ug/L	0.010ug/L
039360	4,4'-DDD	SP	No	EPA 8081B	8/3/2022 2:45:00 PM	<0.020	ug/L	0.020ug/L
039365	4,4'-DDE	SP	No	EPA 8081B	8/3/2022 2:45:00 PM	<0.036	ug/L	0.036ug/L
039370	4,4'-DDT	SP	No	EPA 8081B	8/3/2022 2:45:00 PM	<0.025	ug/L	0.025ug/L
039330	ALDRIN	SP	No	EPA 8081B	8/3/2022 2:45:00 PM	<0.032	ug/L	0.032ug/L
039348	ALPHA CHLORDANE	SP	No	EPA 8081B	8/3/2022 2:45:00 PM	<0.022	ug/L	0.022ug/L
039337	ALPHA-BHC	SP	No	EPA 8081B	8/3/2022 2:45:00 PM	<0.026	ug/L	0.026ug/L
039338	BETA-BHC	SP	No	EPA 8081B	8/3/2022 2:45:00 PM	<0.036	ug/L	0.036ug/L
039350	CHLORDANE	SP	No	EPA 8081B	8/3/2022 2:45:00 PM	<0.36	ug/L	0.36ug/L
034259	DELTA-BHC	SP	No	EPA 8081B	8/3/2022 2:45:00 PM	<0.019	ug/L	0.019ug/L

* Attach Laboratory Reports

Citrus County Central Landfill
Parameter Monitoring Report

PART III Analytical Results

Facility WACS #: SWD/09/3985

Test Site ID #:

Well Name: MW-7C(S)

Classification of Ground Water: GII

Ground Water Elevation (NGVD):

Sampling Date/Time: 7/25/2022 2:33:00 PM

Report Period: JULY 2022

Well Purged: Y

Well Type:
[ ] Background [ ] Intermediate
[ ] Compliance [ ] Water Supply
[ ] Detection [ ] Piezometer
[X] Assessment [ ] Leachate
[ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
039380	DIELDRIN	SP	No	EPA 8081B	8/3/2022 2:45:00 PM	<0.017	ug/L	0.017ug/L
034361	ENDOSULFAN I	SP	No	EPA 8081B	8/3/2022 2:45:00 PM	<0.016	ug/L	0.016ug/L
034356	ENDOSULFAN II	SP	No	EPA 8081B	8/3/2022 2:45:00 PM	<0.017	ug/L	0.017ug/L
034351	ENDOSULFAN SULFATE	SP	No	EPA 8081B	8/3/2022 2:45:00 PM	<0.020	ug/L	0.020ug/L
039390	ENDRIN	SP	No	EPA 8081B	8/3/2022 2:45:00 PM	<0.014	ug/L	0.014ug/L
034366	ENDRIN ALDEHYDE	SP	No	EPA 8081B	8/3/2022 2:45:00 PM	<0.020	ug/L	0.020ug/L
039810	GAMMA CHLORDANE	SP	No	EPA 8081B	8/3/2022 2:45:00 PM	<0.024	ug/L	0.024ug/L
039340	GAMMA-BHC (LINDANE)	SP	No	EPA 8081B	8/3/2022 2:45:00 PM	<0.021	ug/L	0.021ug/L
039410	HEPTACHLOR	SP	No	EPA 8081B	8/3/2022 2:45:00 PM	<0.026	ug/L	0.026ug/L
039420	HEPTACHLOR EPOXIDE	SP	No	EPA 8081B	8/3/2022 2:45:00 PM	<0.018	ug/L	0.018ug/L
039480	METHOXYCHLOR	SP	No	EPA 8081B	8/3/2022 2:45:00 PM	<0.020	ug/L	0.020ug/L
039400	TOXAPHENE	SP	No	EPA 8081B	8/3/2022 2:45:00 PM	<0.48	ug/L	0.48ug/L
081297	PCB 1016/1242	SP	No	EPA 8082A	8/3/2022 1:06:00 PM	<0.49	ug/L	0.49ug/L
039488	PCB-1221	SP	No	EPA 8082A	8/3/2022 1:06:00 PM	<0.46	ug/L	0.46ug/L
039492	PCB-1232	SP	No	EPA 8082A	8/3/2022 1:06:00 PM	<0.47	ug/L	0.47ug/L
039500	PCB-1248	SP	No	EPA 8082A	8/3/2022 1:06:00 PM	<0.49	ug/L	0.49ug/L
039504	PCB-1254	SP	No	EPA 8082A	8/3/2022 1:06:00 PM	<0.50	ug/L	0.50ug/L
039508	PCB-1260	SP	No	EPA 8082A	8/3/2022 1:06:00 PM	<0.48	ug/L	0.48ug/L
039740	2,4,5-T	SP	No	EPA 8151A	8/4/2022 7:32:00 PM	<0.28	ug/L	0.28ug/L
039730	2,4-D	SP	No	EPA 8151A	8/4/2022 7:32:00 PM	<0.27	ug/L	0.27ug/L
030191	DINOSEB	SP	No	EPA 8151A	8/4/2022 7:32:00 PM	<0.32	ug/L	0.32ug/L
039032	PENTACHLOROPHENOL	SP	No	EPA 8151A	8/4/2022 7:32:00 PM	<0.19	ug/L	0.19ug/L
039760	SILVEX (2,4,5-TP)	SP	No	EPA 8151A	8/4/2022 7:32:00 PM	<0.44	ug/L	0.44ug/L
049263	(E)-1,4-DICHLORO-2-BUTENE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.79	ug/L	0.79ug/L
077562	1,1,1,2-TETRACHLOROETHANE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.61	ug/L	0.61ug/L
034506	1,1,1-TRICHLOROETHANE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.80	ug/L	0.80ug/L
034516	1,1,2,2-TETRACHLOROETHANE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.54	ug/L	0.54ug/L
034511	1,1,2-TRICHLOROETHANE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.76	ug/L	0.76ug/L
034496	1,1-DICHLOROETHANE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.62	ug/L	0.62ug/L
034501	1,1-DICHLOROETHENE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.94	ug/L	0.94ug/L
077168	1,1-DICHLOROPROPENE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.74	ug/L	0.74ug/L
077443	1,2,3-TRICHLOROPROPANE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.64	ug/L	0.64ug/L
034551	1,2,4-TRICHLOROBENZENE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.70	ug/L	0.70ug/L
034536	1,2-DICHLOROBENZENE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.73	ug/L	0.73ug/L
034531	1,2-DICHLOROETHANE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.63	ug/L	0.63ug/L
034541	1,2-DICHLOROPROPANE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.80	ug/L	0.80ug/L
034566	1,3-DICHLOROBENZENE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.77	ug/L	0.77ug/L
077173	1,3-DICHLOROPROPANE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.60	ug/L	0.60ug/L
034571	1,4-DICHLOROBENZENE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	0.84 I	ug/L	0.76ug/L

* Attach Laboratory Reports

Citrus County Central Landfill
Parameter Monitoring Report

PART III Analytical Results

Facility WACS #: SWD/09/3985

Test Site ID #:

Well Name: MW-7C(S)

Classification of Ground Water: GII

Ground Water Elevation (NGVD):

Sampling Date/Time: 7/25/2022 2:33:00 PM

Report Period: JULY 2022

Well Purged: Y

Well Type: [ ] Background [ ] Intermediate
[ ] Compliance [ ] Water Supply
[ ] Detection [ ] Piezometer
[X] Assessment [ ] Leachate
[ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
077170	2,2-DICHLOROPROPANE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.66	ug/L	0.66ug/L
077103	2-HEXANONE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<2.5	ug/L	2.5ug/L
078133	4-METHYL-2-PENTANONE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<2.5	ug/L	2.5ug/L
081552	ACETONE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<10	ug/L	10ug/L
076997	ACETONITRILE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<8.5	ug/L	8.5ug/L
034210	ACROLEIN	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<6.4	ug/L	6.4ug/L
034215	ACRYLONITRILE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<5.0	ug/L	5.0ug/L
078109	ALLYL CHLORIDE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<1.0	ug/L	1.0ug/L
034030	BENZENE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.71	ug/L	0.71ug/L
073085	BROMOCHLOROMETHANE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.94	ug/L	0.94ug/L
032101	BROMODICHLOROMETHANE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.52	ug/L	0.52ug/L
032104	BROMOFORM	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.75	ug/L	0.75ug/L
034413	BROMOMETHANE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.95	ug/L	0.95ug/L
077041	CARBON DISULFIDE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<2.5	ug/L	2.5ug/L
032102	CARBON TETRACHLORIDE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.94	ug/L	0.94ug/L
034301	CHLOROBENZENE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.72	ug/L	0.72ug/L
034311	CHLOROETHANE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.98	ug/L	0.98ug/L
032106	CHLOROFORM	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	0.98 I	ug/L	0.80ug/L
034418	CHLOROMETHANE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.82	ug/L	0.82ug/L
081520	CHLOROPRENE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.66	ug/L	0.66ug/L
077093	CIS-1,2-DICHLOROETHENE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.53	ug/L	0.53ug/L
034704	CIS-1,3-DICHLOROPROPENE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.59	ug/L	0.59ug/L
032105	DIBROMOCHLOROMETHANE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.50	ug/L	0.50ug/L
046361	DIBROMOMETHANE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.84	ug/L	0.84ug/L
034668	DICHLORODIFLUOROMETHANE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.74	ug/L	0.74ug/L
034423	DICHLOROMETHANE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<2.5	ug/L	2.5ug/L
073570	ETHYL METHACRYLATE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.54	ug/L	0.54ug/L
034371	ETHYLBENZENE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.69	ug/L	0.69ug/L
077033	ISOBUTYL ALCOHOL	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<14	ug/L	14ug/L
085795	M&P- XYLENES	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<1.3	ug/L	1.3ug/L
081593	METHACRYLONITRILE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<5.0	ug/L	5.0ug/L
081595	METHYL ETHYL KETONE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<4.5	ug/L	4.5ug/L
077424	METHYL IODIDE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<2.5	ug/L	2.5ug/L
081597	METHYL METHACRYLATE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.68	ug/L	0.68ug/L
077135	O-XYLENES	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.53	ug/L	0.53ug/L
077007	PROPIONITRILE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<5.0	ug/L	5.0ug/L
077128	STYRENE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.61	ug/L	0.61ug/L
034475	TETRACHLOROETHENE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.76	ug/L	0.76ug/L
034010	TOLUENE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.72	ug/L	0.72ug/L

* Attach Laboratory Reports

Citrus County Central Landfill
Parameter Monitoring Report

PART III Analytical Results

Facility WACS #: SWD/09/3985

Test Site ID #:

Well Name: MW-7C(S)

Classification of Ground Water: GII

Ground Water Elevation (NGVD):

Sampling Date/Time: 7/25/2022 2:33:00 PM

Report Period: JULY 2022

Well Purged: Y

Well Type: [ ] Background [ ] Intermediate
[ ] Compliance [ ] Water Supply
[ ] Detection [ ] Piezometer
[X] Assessment [ ] Leachate
[ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
034546	TRANS-1,2-DICHLOROETHENE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.73	ug/L	0.73ug/L
034699	TRANS-1,3-DICHLOROPROPENE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.73	ug/L	0.73ug/L
039180	TRICHLOROETHENE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.89	ug/L	0.89ug/L
034488	TRICHLOROFLUOROMETHANE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.94	ug/L	0.94ug/L
077057	VINYL ACETATE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<2.5	ug/L	2.5ug/L
039175	VINYL CHLORIDE	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<0.71	ug/L	0.71ug/L
034020	XYLENES	SP	No	EPA 8260D	7/27/2022 6:52:00 PM	<1.3	ug/L	1.3ug/L
073652	000-TRIETHYLPHOSPHOROTHIOATE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.5	ug/L	3.5ug/L
077734	1,2,4,5-TETRACHLOROBENZENE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.2	ug/L	3.2ug/L
073653	1,3,5-TRINITROBENZENE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<5.1	ug/L	5.1ug/L
045622	1,3-DINITROBENZENE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.6	ug/L	3.6ug/L
073599	1,4-NAPHTHOQUINONE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<4.7	ug/L	4.7ug/L
077418	1-METHYLNAPHTHALENE	SP	No	EPA 8270E	7/27/2022 6:10:00 PM	<0.050	ug/L	0.050ug/L
073600	1-NAPHTHYLAMINE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<2.3	ug/L	2.3ug/L
073522	2,2'-OXYBIS(1-CHLOROPROPANE)	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.5	ug/L	3.5ug/L
077770	2,3,4,6-TETRACHLOROPHENOL	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.4	ug/L	3.4ug/L
077687	2,4,5-TRICHLOROPHENOL	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.9	ug/L	3.9ug/L
034621	2,4,6-TRICHLOROPHENOL	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<6.4	ug/L	6.4ug/L
034601	2,4-DICHLOROPHENOL	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<6.5	ug/L	6.5ug/L
034606	2,4-DIMETHYLPHENOL	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<6.4	ug/L	6.4ug/L
034616	2,4-DINITROPHENOL	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<7.7	ug/L	7.7ug/L
034611	2,4-DINITROTOLUENE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<0.038	ug/L	0.038ug/L
077541	2,6-DICHLOROPHENOL	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.8	ug/L	3.8ug/L
034626	2,6-DINITROTOLUENE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<2.9	ug/L	2.9ug/L
073501	2-ACETYLAMINOFLUORENE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.9	ug/L	3.9ug/L
034581	2-CHLORONAPHTHALENE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.2	ug/L	3.2ug/L
034586	2-CHLOROPHENOL	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<7.4	ug/L	7.4ug/L
077416	2-METHYLNAPHTHALENE	SP	No	EPA 8270E	7/27/2022 6:10:00 PM	<0.050	ug/L	0.050ug/L
077152	2-METHYLPHENOL	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.5	ug/L	3.5ug/L
073601	2-NAPHTHYLAMINE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<2.3	ug/L	2.3ug/L
078142	2-NITROANILINE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.3	ug/L	3.3ug/L
034591	2-NITROPHENOL	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<5.2	ug/L	5.2ug/L
034631	3,3'-DICHLOROBENZIDINE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.3	ug/L	3.3ug/L
082213	3,3'-DIMETHYLBENZIDINE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.6	ug/L	3.6ug/L
073591	3-METHYLCHOLANTHRENE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.0	ug/L	3.0ug/L
030204	4,6-DINITRO-2-METHYLPHENOL	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<6.0	ug/L	6.0ug/L
077581	4-AMINOBIPHENYL	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<2.6	ug/L	2.6ug/L
034636	4-BROMOPHENYL PHENYL ETHER	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.3	ug/L	3.3ug/L
073529	4-CHLOROBENZENAMINE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<4.3	ug/L	4.3ug/L

* Attach Laboratory Reports

Citrus County Central Landfill
Parameter Monitoring Report

PART III Analytical Results

Facility WACS #: SWD/09/3985

Test Site ID #:

Well Name: MW-7C(S)

Classification of Ground Water: GII

Ground Water Elevation (NGVD):

Sampling Date/Time: 7/25/2022 2:33:00 PM

Report Period: JULY 2022

Well Purged: Y

Well Type: [ ] Background [ ] Intermediate
[ ] Compliance [ ] Water Supply
[ ] Detection [ ] Piezometer
[X] Assessment [ ] Leachate
[ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
034641	4-CHLOROPHENYL PHENYL ETHER	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.2	ug/L	3.2ug/L
034646	4-NITROPHENOL	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<7.9	ug/L	7.9ug/L
073622	5-NITRO-O-TOLUIDINE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<2.3	ug/L	2.3ug/L
073559	7,12DIMETHYLBENZ (A) ANTHRACENE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.3	ug/L	3.3ug/L
034205	ACENAPHTHENE	SP	No	EPA 8270E	7/27/2022 6:10:00 PM	<0.050	ug/L	0.050ug/L
034200	ACENAPHTHYLENE	SP	No	EPA 8270E	7/27/2022 6:10:00 PM	<0.050	ug/L	0.050ug/L
081553	ACETOPHENONE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.8	ug/L	3.8ug/L
034220	ANTHRACENE	SP	No	EPA 8270E	7/27/2022 6:10:00 PM	<0.050	ug/L	0.050ug/L
034526	BENZO (A) ANTHRACENE	SP	No	EPA 8270E	7/27/2022 6:10:00 PM	<0.050	ug/L	0.050ug/L
034247	BENZO (A) PYRENE	SP	No	EPA 8270E	7/27/2022 6:10:00 PM	<0.050	ug/L	0.050ug/L
034230	BENZO (B) FLUORANTHENE	SP	No	EPA 8270E	7/27/2022 6:10:00 PM	<0.059	ug/L	0.059ug/L
034521	BENZO (GHI) PERYLENE	SP	No	EPA 8270E	7/27/2022 6:10:00 PM	<0.050	ug/L	0.050ug/L
034242	BENZO (K) FLUORANTHENE	SP	No	EPA 8270E	7/27/2022 6:10:00 PM	<0.050	ug/L	0.050ug/L
077147	BENZYL ALCOHOL	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.9	ug/L	3.9ug/L
034278	BIS (2-CHLOROETHOXY) METHANE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.3	ug/L	3.3ug/L
034273	BIS (2-CHLOROETHYL) ETHER	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.8	ug/L	3.8ug/L
039100	BIS (2-ETHYLHEXYL) PHTHALATE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.5	ug/L	3.5ug/L
034292	BUTYL BENZYL PHTHALATE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<5.1	ug/L	5.1ug/L
039460	CHLOROBENZILATE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<0.029	ug/L	0.029ug/L
034320	CHRYSENE	SP	No	EPA 8270E	7/27/2022 6:10:00 PM	<0.051	ug/L	0.051ug/L
073540	DIALLATE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<0.030	ug/L	0.030ug/L
034556	DIBENZO (A,H) ANTHRACENE	SP	No	EPA 8270E	7/27/2022 6:10:00 PM	<0.052	ug/L	0.052ug/L
081302	DIBENZOFURAN	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<2.8	ug/L	2.8ug/L
034336	DIETHYL PHTHALATE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.0	ug/L	3.0ug/L
046314	DIMETHOATE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<0.043	ug/L	0.043ug/L
034341	DIMETHYL PHTHALATE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.0	ug/L	3.0ug/L
039110	DI-n-BUTYL PHTHALATE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.2	ug/L	3.2ug/L
034596	DI-n-OCTYL PHTHALATE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.6	ug/L	3.6ug/L
081888	DISULFOTON	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<0.062	ug/L	0.062ug/L
039540	ETHYL PARATHION	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<1.2	ug/L	1.2ug/L
073571	ETHYLMETHANESULFONATE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.3	ug/L	3.3ug/L
038462	FAMPHUR	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<0.052	ug/L	0.052ug/L
034376	FLUORANTHENE	SP	No	EPA 8270E	7/27/2022 6:10:00 PM	<0.051	ug/L	0.051ug/L
034381	FLUORENE	SP	No	EPA 8270E	7/27/2022 6:10:00 PM	<0.050	ug/L	0.050ug/L
039700	HEXACHLOROBENZENE (HCB)	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<0.027	ug/L	0.027ug/L
034391	HEXACHLOROBUTADIENE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<0.045	ug/L	0.045ug/L
034386	HEXACHLOROCYCLOPENTADIENE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.8	ug/L	3.8ug/L
034396	HEXACHLOROETHANE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.0	ug/L	3.0ug/L
073576	HEXACHLOROPROPENE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.3	ug/L	3.3ug/L

* Attach Laboratory Reports

Citrus County Central Landfill
Parameter Monitoring Report

PART III Analytical Results

Facility WACS #: SWD/09/3985

Test Site ID #:

Well Name: MW-7C(S)

Classification of Ground Water: GII

Ground Water Elevation (NGVD):

Sampling Date/Time: 7/25/2022 2:33:00 PM

Report Period: JULY 2022

Well Purged: Y

Well Type: [ ] Background [ ] Intermediate
[ ] Compliance [ ] Water Supply
[ ] Detection [ ] Piezometer
[X] Assessment [ ] Leachate
[ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
034403	INDENO (1,2,3-cd) PYRENE	SP	No	EPA 8270E	7/27/2022 6:10:00 PM	<0.050	ug/L	0.050ug/L
039430	ISODRIN	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.0	ug/L	3.0ug/L
034408	ISOPHORONE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<4.5	ug/L	4.5ug/L
073582	ISOSAFROLE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<2.6	ug/L	2.6ug/L
081281	KEPONE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.3	ug/L	3.3ug/L
977148	m&p-CRESOL	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<8.2	ug/L	8.2ug/L
073589	METHAPYRILENE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.4	ug/L	3.4ug/L
073595	METHYL METHANESULFONATE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.4	ug/L	3.4ug/L
039600	METHYL PARATHION	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<0.061	ug/L	0.061ug/L
078300	M-NITROANILINE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.3	ug/L	3.3ug/L
034696	NAPHTHALENE	SP	No	EPA 8270E	7/27/2022 6:10:00 PM	<0.050	ug/L	0.050ug/L
034447	NITROBENZENE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.2	ug/L	3.2ug/L
073611	N-NITROSODIETHYLAMINE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.9	ug/L	3.9ug/L
034438	N-NITROSODIMETHYLAMINE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.8	ug/L	3.8ug/L
073609	N-NITROSODI-N-BUTYLAMINE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<4.5	ug/L	4.5ug/L
034428	N-NITROSODI-N-PROPYLAMINE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<4.5	ug/L	4.5ug/L
034433	N-NITROSODIPHENYLAMINE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<5.4	ug/L	5.4ug/L
073613	N-NITROSOMETHYLETHYLAMINE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.7	ug/L	3.7ug/L
073619	N-NITROSOPIPERIDINE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.9	ug/L	3.9ug/L
078206	N-NITROSOPYRROLIDINE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<4.2	ug/L	4.2ug/L
077142	O-TOLUIDINE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.4	ug/L	3.4ug/L
034452	P-CHLORO-M-CRESOL	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<7.3	ug/L	7.3ug/L
073558	P-DIMETHYLAMINO AZOBENZENE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.4	ug/L	3.4ug/L
077793	PENTACHLOROBENZENE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<0.034	ug/L	0.034ug/L
081316	PENTACHLORONITROBENZENE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<0.047	ug/L	0.047ug/L
073626	PHENACETIN	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<2.7	ug/L	2.7ug/L
034461	PHENANTHRENE	SP	No	EPA 8270E	7/27/2022 6:10:00 PM	<0.050	ug/L	0.050ug/L
034694	PHENOL	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<5.6	ug/L	5.6ug/L
046313	PHORATE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<0.070	ug/L	0.070ug/L
030342	P-NITROANILINE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.2	ug/L	3.2ug/L
073628	P-PHENYLENEDIAMINE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<3.3	ug/L	3.3ug/L
039080	PRONAMIDE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<4.3	ug/L	4.3ug/L
034469	PYRENE	SP	No	EPA 8270E	7/27/2022 6:10:00 PM	<0.050	ug/L	0.050ug/L
077545	SAFROLE	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<4.8	ug/L	4.8ug/L
073553	THIONAZIN	SP	No	EPA 8270E	8/3/2022 6:13:00 PM	<2.8	ug/L	2.8ug/L
070300	TOTAL DISSOLVED SOLIDS	SP	No	SM 2540C-2011	7/29/2022 4:30:00 PM	260	mg/L	10mg/L
000720	CYANIDE	SP	No	SM 4500CN E-2011	7/27/2022 1:05:00 PM	<0.0067	mg/L	0.0067mg/L
000745	TOTAL SULFIDE	SP	No	SM 4500S2 F-2011	7/27/2022 9:42:00 AM	<0.45	mg/L	0.45mg/L

* Attach Laboratory Reports

Citrus County Central Landfill
Parameter Monitoring Report

PART III Analytical Results

Facility WACS #: SWD/09/3985

Test Site ID #:

Well Name: MW-7C(S)

Classification of Ground Water: GII

Ground Water Elevation (NGVD):

Sampling Date/Time: 7/25/2022 2:33:00 PM

Report Period: JULY 2022

Well Purged: Y

Well Type:
[ ] Background [ ] Intermediate
[ ] Compliance [ ] Water Supply
[ ] Detection [ ] Piezometer
[X] Assessment [ ] Leachate
[ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
046480	REDOX POTENTIAL (FIELD)	SP	No	SM2580B	7/25/2022 2:33:00 PM	80.6	mV	-999mV

* Attach Laboratory Reports

Citrus County Central Landfill
Parameter Monitoring Report

PART III Analytical Results

Facility WACS #: SWD/09/3985

Test Site ID #:

Well Name: MW-7C(D)

Classification of Ground Water: GII

Ground Water Elevation (NGVD):

Sampling Date/Time: 7/25/2022 12:36:00 PM

Report Period: JULY 2022

Well Purged: Y

Well Type: [ ] Background [ ] Intermediate
[ ] Compliance [ ] Water Supply
[ ] Detection [ ] Piezometer
[X] Assessment [ ] Leachate
[ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
082546	DEPTH TO WATER FROM MEASURE PT	SP	No	DEP SOP	7/25/2022 12:36:00 PM	113.46	Ft	Ft
000094	CONDUCTIVITY (FIELD)	SP	No	EPA 120.1	7/25/2022 12:36:00 PM	169	umhos/cm	0umhos/cm
000406	pH (FIELD)	SP	No	EPA 150.1	7/25/2022 12:36:00 PM	8.08	pH Units	pH Units
000010	TEMPERATURE (FIELD)	SP	No	EPA 170.1	7/25/2022 12:36:00 PM	29.0	°C	0°C
082078	TURBIDITY (FIELD)	SP	No	EPA 180.1	7/25/2022 12:36:00 PM	1.51	NTU	0NTU
000940	CHLORIDE	SP	No	EPA 300.0	7/27/2022 6:49:00 AM	4.1 I	mg/L	0.29mg/L
000620	NITRATE NITROGEN	SP	No	EPA 300.0	7/27/2022 6:49:00 AM	0.13 I	mg/L	0.052mg/L
000610	AMMONIA NITROGEN	SP	No	EPA 350.1	8/1/2022 9:50:00 AM	0.012 I	mg/L	0.0098mg/L
000299	DISSOLVED OXYGEN (FIELD)	SP	No	EPA 360.1	7/25/2022 12:36:00 PM	3.61	mg/L	0mg/L
001097	ANTIMONY	SP	No	EPA 6020B	7/28/2022 1:07:00 PM	<2.50	ug/L	2.50ug/L
001002	ARSENIC	SP	No	EPA 6020B	7/28/2022 1:07:00 PM	<6.10	ug/L	6.10ug/L
001007	BARIUM	SP	No	EPA 6020B	7/28/2022 1:07:00 PM	<50.0	ug/L	50.0ug/L
001012	BERYLLIUM	SP	No	EPA 6020B	7/28/2022 1:07:00 PM	<0.940	ug/L	0.940ug/L
001027	CADMIUM	SP	No	EPA 6020B	7/28/2022 1:07:00 PM	<2.00	ug/L	2.00ug/L
001034	CHROMIUM	SP	No	EPA 6020B	7/28/2022 1:07:00 PM	<5.00	ug/L	5.00ug/L
001037	COBALT	SP	No	EPA 6020B	7/28/2022 1:07:00 PM	<5.00	ug/L	5.00ug/L
001042	COPPER	SP	No	EPA 6020B	7/28/2022 1:07:00 PM	<2.50	ug/L	2.50ug/L
001045	IRON	SP	No	EPA 6020B	7/28/2022 1:07:00 PM	<50.0	ug/L	50.0ug/L
001051	LEAD	SP	No	EPA 6020B	7/28/2022 1:07:00 PM	<2.50	ug/L	2.50ug/L
001067	NICKEL	SP	No	EPA 6020B	7/28/2022 1:07:00 PM	<5.00	ug/L	5.00ug/L
001147	SELENIUM	SP	No	EPA 6020B	7/28/2022 1:07:00 PM	<6.50	ug/L	6.50ug/L
001077	SILVER	SP	No	EPA 6020B	7/28/2022 1:07:00 PM	<0.500	ug/L	0.500ug/L
000929	SODIUM	SP	No	EPA 6020B	7/28/2022 1:07:00 PM	11.3	mg/L	0.320mg/L
001059	THALLIUM	SP	No	EPA 6020B	7/28/2022 1:07:00 PM	<0.600	ug/L	0.600ug/L
001102	TIN	SP	No	EPA 6020B	7/28/2022 1:07:00 PM	<5.00	ug/L	5.00ug/L
001087	VANADIUM	SP	No	EPA 6020B	7/28/2022 1:07:00 PM	<5.00	ug/L	5.00ug/L
001092	ZINC	SP	No	EPA 6020B	7/28/2022 1:07:00 PM	<75.0	ug/L	75.0ug/L
071900	MERCURY	SP	No	EPA 7470A	7/28/2022 9:20:00 AM	<0.0230	ug/L	0.0230ug/L
049146	1,2-DIBROMO-3-CHLOROPROPANE	SP	No	EPA 8011	7/29/2022 6:13:00 AM	<0.012	ug/L	0.012ug/L
077651	1,2-DIBROMOETHANE (EDB)	SP	No	EPA 8011	7/29/2022 6:13:00 AM	<0.010	ug/L	0.010ug/L
039360	4,4'-DDD	SP	No	EPA 8081B	8/3/2022 2:32:00 PM	<0.020	ug/L	0.020ug/L
039365	4,4'-DDE	SP	No	EPA 8081B	8/3/2022 2:32:00 PM	<0.036	ug/L	0.036ug/L
039370	4,4'-DDT	SP	No	EPA 8081B	8/3/2022 2:32:00 PM	<0.025	ug/L	0.025ug/L
039330	ALDRIN	SP	No	EPA 8081B	8/3/2022 2:32:00 PM	<0.032	ug/L	0.032ug/L
039348	ALPHA CHLORDANE	SP	No	EPA 8081B	8/3/2022 2:32:00 PM	<0.022	ug/L	0.022ug/L
039337	ALPHA-BHC	SP	No	EPA 8081B	8/3/2022 2:32:00 PM	<0.026	ug/L	0.026ug/L
039338	BETA-BHC	SP	No	EPA 8081B	8/3/2022 2:32:00 PM	<0.036	ug/L	0.036ug/L
039350	CHLORDANE	SP	No	EPA 8081B	8/3/2022 2:32:00 PM	<0.36	ug/L	0.36ug/L
034259	DELTA-BHC	SP	No	EPA 8081B	8/3/2022 2:32:00 PM	<0.019	ug/L	0.019ug/L

* Attach Laboratory Reports

Citrus County Central Landfill
Parameter Monitoring Report

PART III Analytical Results

Facility WACS #: SWD/09/3985

Test Site ID #:

Well Name: MW-7C(D)

Classification of Ground Water: GII

Ground Water Elevation (NGVD):

Sampling Date/Time: 7/25/2022 12:36:00 PM

Report Period: JULY 2022

Well Purged: Y

Well Type: [ ] Background [ ] Intermediate
[ ] Compliance [ ] Water Supply
[ ] Detection [ ] Piezometer
[X] Assessment [ ] Leachate
[ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
039380	DIELDRIN	SP	No	EPA 8081B	8/3/2022 2:32:00 PM	<0.017	ug/L	0.017ug/L
034361	ENDOSULFAN I	SP	No	EPA 8081B	8/3/2022 2:32:00 PM	<0.016	ug/L	0.016ug/L
034356	ENDOSULFAN II	SP	No	EPA 8081B	8/3/2022 2:32:00 PM	<0.017	ug/L	0.017ug/L
034351	ENDOSULFAN SULFATE	SP	No	EPA 8081B	8/3/2022 2:32:00 PM	<0.020	ug/L	0.020ug/L
039390	ENDRIN	SP	No	EPA 8081B	8/3/2022 2:32:00 PM	<0.014	ug/L	0.014ug/L
034366	ENDRIN ALDEHYDE	SP	No	EPA 8081B	8/3/2022 2:32:00 PM	<0.020	ug/L	0.020ug/L
039810	GAMMA CHLORDANE	SP	No	EPA 8081B	8/3/2022 2:32:00 PM	<0.024	ug/L	0.024ug/L
039340	GAMMA-BHC (LINDANE)	SP	No	EPA 8081B	8/3/2022 2:32:00 PM	<0.021	ug/L	0.021ug/L
039410	HEPTACHLOR	SP	No	EPA 8081B	8/3/2022 2:32:00 PM	<0.026	ug/L	0.026ug/L
039420	HEPTACHLOR EPOXIDE	SP	No	EPA 8081B	8/3/2022 2:32:00 PM	<0.018	ug/L	0.018ug/L
039480	METHOXYCHLOR	SP	No	EPA 8081B	8/3/2022 2:32:00 PM	<0.020	ug/L	0.020ug/L
039400	TOXAPHENE	SP	No	EPA 8081B	8/3/2022 2:32:00 PM	<0.48	ug/L	0.48ug/L
081297	PCB 1016/1242	SP	No	EPA 8082A	8/3/2022 12:54:00 PM	<0.49	ug/L	0.49ug/L
039488	PCB-1221	SP	No	EPA 8082A	8/3/2022 12:54:00 PM	<0.46	ug/L	0.46ug/L
039492	PCB-1232	SP	No	EPA 8082A	8/3/2022 12:54:00 PM	<0.47	ug/L	0.47ug/L
039500	PCB-1248	SP	No	EPA 8082A	8/3/2022 12:54:00 PM	<0.49	ug/L	0.49ug/L
039504	PCB-1254	SP	No	EPA 8082A	8/3/2022 12:54:00 PM	<0.50	ug/L	0.50ug/L
039508	PCB-1260	SP	No	EPA 8082A	8/3/2022 12:54:00 PM	<0.48	ug/L	0.48ug/L
039740	2,4,5-T	SP	No	EPA 8151A	8/4/2022 7:07:00 PM	<0.28	ug/L	0.28ug/L
039730	2,4-D	SP	No	EPA 8151A	8/4/2022 7:07:00 PM	<0.27	ug/L	0.27ug/L
030191	DINOSEB	SP	No	EPA 8151A	8/4/2022 7:07:00 PM	<0.32	ug/L	0.32ug/L
039032	PENTACHLOROPHENOL	SP	No	EPA 8151A	8/4/2022 7:07:00 PM	<0.19	ug/L	0.19ug/L
039760	SILVEX (2,4,5-TP)	SP	No	EPA 8151A	8/4/2022 7:07:00 PM	<0.44	ug/L	0.44ug/L
049263	(E)-1,4-DICHLORO-2-BUTENE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.79	ug/L	0.79ug/L
077562	1,1,1,2-TETRACHLOROETHANE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.61	ug/L	0.61ug/L
034506	1,1,1-TRICHLOROETHANE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.80	ug/L	0.80ug/L
034516	1,1,2,2-TETRACHLOROETHANE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.54	ug/L	0.54ug/L
034511	1,1,2-TRICHLOROETHANE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.76	ug/L	0.76ug/L
034496	1,1-DICHLOROETHANE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.62	ug/L	0.62ug/L
034501	1,1-DICHLOROETHENE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.94	ug/L	0.94ug/L
077168	1,1-DICHLOROPROPENE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.74	ug/L	0.74ug/L
077443	1,2,3-TRICHLOROPROPANE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.64	ug/L	0.64ug/L
034551	1,2,4-TRICHLOROBENZENE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.70	ug/L	0.70ug/L
034536	1,2-DICHLOROBENZENE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.73	ug/L	0.73ug/L
034531	1,2-DICHLOROETHANE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.63	ug/L	0.63ug/L
034541	1,2-DICHLOROPROPANE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.80	ug/L	0.80ug/L
034566	1,3-DICHLOROBENZENE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.77	ug/L	0.77ug/L
077173	1,3-DICHLOROPROPANE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.60	ug/L	0.60ug/L
034571	1,4-DICHLOROBENZENE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.76	ug/L	0.76ug/L

* Attach Laboratory Reports

Citrus County Central Landfill
Parameter Monitoring Report

PART III Analytical Results

Facility WACS #: SWD/09/3985

Test Site ID #:

Well Name: MW-7C(D)

Classification of Ground Water: GII

Ground Water Elevation (NGVD):

Sampling Date/Time: 7/25/2022 12:36:00 PM

Report Period: JULY 2022

Well Purged: Y

Well Type: [ ] Background [ ] Intermediate
[ ] Compliance [ ] Water Supply
[ ] Detection [ ] Piezometer
[X] Assessment [ ] Leachate
[ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
077170	2,2-DICHLOROPROPANE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.66	ug/L	0.66ug/L
077103	2-HEXANONE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<2.5	ug/L	2.5ug/L
078133	4-METHYL-2-PENTANONE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<2.5	ug/L	2.5ug/L
081552	ACETONE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<10	ug/L	10ug/L
076997	ACETONITRILE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<8.5	ug/L	8.5ug/L
034210	ACROLEIN	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<6.4	ug/L	6.4ug/L
034215	ACRYLONITRILE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<5.0	ug/L	5.0ug/L
078109	ALLYL CHLORIDE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<1.0	ug/L	1.0ug/L
034030	BENZENE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.71	ug/L	0.71ug/L
073085	BROMOCHLOROMETHANE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.94	ug/L	0.94ug/L
032101	BROMODICHLOROMETHANE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.52	ug/L	0.52ug/L
032104	BROMOFORM	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.75	ug/L	0.75ug/L
034413	BROMOMETHANE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.95	ug/L	0.95ug/L
077041	CARBON DISULFIDE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<2.5	ug/L	2.5ug/L
032102	CARBON TETRACHLORIDE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.94	ug/L	0.94ug/L
034301	CHLOROBENZENE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.72	ug/L	0.72ug/L
034311	CHLOROETHANE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.98	ug/L	0.98ug/L
032106	CHLOROFORM	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	1.2	ug/L	0.80ug/L
034418	CHLOROMETHANE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.82	ug/L	0.82ug/L
081520	CHLOROPRENE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.66	ug/L	0.66ug/L
077093	CIS-1,2-DICHLOROETHENE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.53	ug/L	0.53ug/L
034704	CIS-1,3-DICHLOROPROPENE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.59	ug/L	0.59ug/L
032105	DIBROMOCHLOROMETHANE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.50	ug/L	0.50ug/L
046361	DIBROMOMETHANE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.84	ug/L	0.84ug/L
034668	DICHLORODIFLUOROMETHANE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.74	ug/L	0.74ug/L
034423	DICHLOROMETHANE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<2.5	ug/L	2.5ug/L
073570	ETHYL METHACRYLATE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.54	ug/L	0.54ug/L
034371	ETHYLBENZENE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.69	ug/L	0.69ug/L
077033	ISOBUTYL ALCOHOL	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<14	ug/L	14ug/L
085795	M&P- XYLENES	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<1.3	ug/L	1.3ug/L
081593	METHACRYLONITRILE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<5.0	ug/L	5.0ug/L
081595	METHYL ETHYL KETONE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<4.5	ug/L	4.5ug/L
077424	METHYL IODIDE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<2.5	ug/L	2.5ug/L
081597	METHYL METHACRYLATE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.68	ug/L	0.68ug/L
077135	O-XYLENES	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.53	ug/L	0.53ug/L
077007	PROPIONITRILE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<5.0	ug/L	5.0ug/L
077128	STYRENE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.61	ug/L	0.61ug/L
034475	TETRACHLOROETHENE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.76	ug/L	0.76ug/L
034010	TOLUENE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.72	ug/L	0.72ug/L

* Attach Laboratory Reports

Citrus County Central Landfill
Parameter Monitoring Report

PART III Analytical Results

Facility WACS #: SWD/09/3985

Test Site ID #:

Well Name: MW-7C(D)

Classification of Ground Water: GII

Ground Water Elevation (NGVD):

Sampling Date/Time: 7/25/2022 12:36:00 PM

Report Period: JULY 2022

Well Purged: Y

Well Type: [ ] Background [ ] Intermediate
[ ] Compliance [ ] Water Supply
[ ] Detection [ ] Piezometer
[X] Assessment [ ] Leachate
[ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
034546	TRANS-1,2-DICHLOROETHENE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.73	ug/L	0.73ug/L
034699	TRANS-1,3-DICHLOROPROPENE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.73	ug/L	0.73ug/L
039180	TRICHLOROETHENE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.89	ug/L	0.89ug/L
034488	TRICHLOROFLUOROMETHANE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.94	ug/L	0.94ug/L
077057	VINYL ACETATE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<2.5	ug/L	2.5ug/L
039175	VINYL CHLORIDE	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<0.71	ug/L	0.71ug/L
034020	XYLENES	SP	No	EPA 8260D	7/27/2022 6:24:00 PM	<1.3	ug/L	1.3ug/L
073652	000-TRIETHYLPHOSPHOROTHIOATE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.5	ug/L	3.5ug/L
077734	1,2,4,5-TETRACHLOROBENZENE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.2	ug/L	3.2ug/L
073653	1,3,5-TRINITROBENZENE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<5.1	ug/L	5.1ug/L
045622	1,3-DINITROBENZENE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.6	ug/L	3.6ug/L
073599	1,4-NAPHTHOQUINONE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<4.7	ug/L	4.7ug/L
077418	1-METHYLNAPHTHALENE	SP	No	EPA 8270E	7/27/2022 5:49:00 PM	<0.050	ug/L	0.050ug/L
073600	1-NAPHTHYLAMINE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<2.3	ug/L	2.3ug/L
073522	2,2'-OXYBIS(1-CHLOROPROPANE)	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.5	ug/L	3.5ug/L
077770	2,3,4,6-TETRACHLOROPHENOL	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.4	ug/L	3.4ug/L
077687	2,4,5-TRICHLOROPHENOL	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.9	ug/L	3.9ug/L
034621	2,4,6-TRICHLOROPHENOL	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<6.4	ug/L	6.4ug/L
034601	2,4-DICHLOROPHENOL	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<6.5	ug/L	6.5ug/L
034606	2,4-DIMETHYLPHENOL	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<6.4	ug/L	6.4ug/L
034616	2,4-DINITROPHENOL	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<7.7	ug/L	7.7ug/L
034611	2,4-DINITROTOLUENE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<0.038	ug/L	0.038ug/L
077541	2,6-DICHLOROPHENOL	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.8	ug/L	3.8ug/L
034626	2,6-DINITROTOLUENE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<2.9	ug/L	2.9ug/L
073501	2-ACETYLAMINOFLUORENE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.9	ug/L	3.9ug/L
034581	2-CHLORONAPHTHALENE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.2	ug/L	3.2ug/L
034586	2-CHLOROPHENOL	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<7.4	ug/L	7.4ug/L
077416	2-METHYLNAPHTHALENE	SP	No	EPA 8270E	7/27/2022 5:49:00 PM	<0.050	ug/L	0.050ug/L
077152	2-METHYLPHENOL	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.5	ug/L	3.5ug/L
073601	2-NAPHTHYLAMINE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<2.3	ug/L	2.3ug/L
078142	2-NITROANILINE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.3	ug/L	3.3ug/L
034591	2-NITROPHENOL	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<5.2	ug/L	5.2ug/L
034631	3,3'-DICHLOROBENZIDINE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.3	ug/L	3.3ug/L
082213	3,3'-DIMETHYLBENZIDINE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.6	ug/L	3.6ug/L
073591	3-METHYLCHOLANTHRENE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.0	ug/L	3.0ug/L
030204	4,6-DINITRO-2-METHYLPHENOL	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<6.0	ug/L	6.0ug/L
077581	4-AMINOBIPHENYL	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<2.6	ug/L	2.6ug/L
034636	4-BROMOPHENYL PHENYL ETHER	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.3	ug/L	3.3ug/L
073529	4-CHLOROBENZENAMINE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<4.3	ug/L	4.3ug/L

* Attach Laboratory Reports

Citrus County Central Landfill
Parameter Monitoring Report

PART III Analytical Results

Facility WACS #: SWD/09/3985

Test Site ID #:

Well Name: MW-7C(D)

Classification of Ground Water: GII

Ground Water Elevation (NGVD):

Sampling Date/Time: 7/25/2022 12:36:00 PM

Report Period: JULY 2022

Well Purged: Y

Well Type: [ ] Background [ ] Intermediate
[ ] Compliance [ ] Water Supply
[ ] Detection [ ] Piezometer
[X] Assessment [ ] Leachate
[ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
034641	4-CHLOROPHENYL PHENYL ETHER	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.2	ug/L	3.2ug/L
034646	4-NITROPHENOL	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<7.9	ug/L	7.9ug/L
073622	5-NITRO-O-TOLUIDINE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<2.3	ug/L	2.3ug/L
073559	7,12DIMETHYLBENZ (A) ANTHRACENE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.3	ug/L	3.3ug/L
034205	ACENAPHTHENE	SP	No	EPA 8270E	7/27/2022 5:49:00 PM	<0.050	ug/L	0.050ug/L
034200	ACENAPHTHYLENE	SP	No	EPA 8270E	7/27/2022 5:49:00 PM	<0.050	ug/L	0.050ug/L
081553	ACETOPHENONE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.8	ug/L	3.8ug/L
034220	ANTHRACENE	SP	No	EPA 8270E	7/27/2022 5:49:00 PM	<0.050	ug/L	0.050ug/L
034526	BENZO (A) ANTHRACENE	SP	No	EPA 8270E	7/27/2022 5:49:00 PM	<0.050	ug/L	0.050ug/L
034247	BENZO (A) PYRENE	SP	No	EPA 8270E	7/27/2022 5:49:00 PM	<0.050	ug/L	0.050ug/L
034230	BENZO (B) FLUORANTHENE	SP	No	EPA 8270E	7/27/2022 5:49:00 PM	<0.059	ug/L	0.059ug/L
034521	BENZO (GHI) PERYLENE	SP	No	EPA 8270E	7/27/2022 5:49:00 PM	<0.050	ug/L	0.050ug/L
034242	BENZO (K) FLUORANTHENE	SP	No	EPA 8270E	7/27/2022 5:49:00 PM	<0.050	ug/L	0.050ug/L
077147	BENZYL ALCOHOL	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.9	ug/L	3.9ug/L
034278	BIS (2-CHLOROETHOXY) METHANE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.3	ug/L	3.3ug/L
034273	BIS (2-CHLOROETHYL) ETHER	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.8	ug/L	3.8ug/L
039100	BIS (2-ETHYLHEXYL) PHTHALATE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.5	ug/L	3.5ug/L
034292	BUTYL BENZYL PHTHALATE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<5.1	ug/L	5.1ug/L
039460	CHLOROBENZILATE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<0.029	ug/L	0.029ug/L
034320	CHRYSENE	SP	No	EPA 8270E	7/27/2022 5:49:00 PM	<0.051	ug/L	0.051ug/L
073540	DIALLATE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<0.030	ug/L	0.030ug/L
034556	DIBENZO (A,H) ANTHRACENE	SP	No	EPA 8270E	7/27/2022 5:49:00 PM	<0.052	ug/L	0.052ug/L
081302	DIBENZOFURAN	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<2.8	ug/L	2.8ug/L
034336	DIETHYL PHTHALATE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.0	ug/L	3.0ug/L
046314	DIMETHOATE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<0.043	ug/L	0.043ug/L
034341	DIMETHYL PHTHALATE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.0	ug/L	3.0ug/L
039110	DI-n-BUTYL PHTHALATE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.2	ug/L	3.2ug/L
034596	DI-n-OCTYL PHTHALATE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.6	ug/L	3.6ug/L
081888	DISULFOTON	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<0.062	ug/L	0.062ug/L
039540	ETHYL PARATHION	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<1.2	ug/L	1.2ug/L
073571	ETHYLMETHANESULFONATE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.3	ug/L	3.3ug/L
038462	FAMPHUR	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<0.052	ug/L	0.052ug/L
034376	FLUORANTHENE	SP	No	EPA 8270E	7/27/2022 5:49:00 PM	<0.051	ug/L	0.051ug/L
034381	FLUORENE	SP	No	EPA 8270E	7/27/2022 5:49:00 PM	<0.050	ug/L	0.050ug/L
039700	HEXACHLOROBENZENE (HCB)	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<0.027	ug/L	0.027ug/L
034391	HEXACHLOROBUTADIENE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<0.045	ug/L	0.045ug/L
034386	HEXACHLOROCYCLOPENTADIENE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.8	ug/L	3.8ug/L
034396	HEXACHLOROETHANE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.0	ug/L	3.0ug/L
073576	HEXACHLOROPROPENE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.3	ug/L	3.3ug/L

* Attach Laboratory Reports

Citrus County Central Landfill
Parameter Monitoring Report

PART III Analytical Results

Facility WACS #: SWD/09/3985

Test Site ID #:

Well Name: MW-7C(D)

Classification of Ground Water: GII

Ground Water Elevation (NGVD):

Sampling Date/Time: 7/25/2022 12:36:00 PM

Report Period: JULY 2022

Well Purged: Y

Well Type: [ ] Background [ ] Intermediate
[ ] Compliance [ ] Water Supply
[ ] Detection [ ] Piezometer
[X] Assessment [ ] Leachate
[ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
034403	INDENO (1,2,3-cd) PYRENE	SP	No	EPA 8270E	7/27/2022 5:49:00 PM	<0.050	ug/L	0.050ug/L
039430	ISODRIN	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.0	ug/L	3.0ug/L
034408	ISOPHORONE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<4.5	ug/L	4.5ug/L
073582	ISOSAFROLE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<2.6	ug/L	2.6ug/L
081281	KEPONE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.3	ug/L	3.3ug/L
977148	m&p-CRESOL	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<8.2	ug/L	8.2ug/L
073589	METHAPYRILENE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.4	ug/L	3.4ug/L
073595	METHYL METHANESULFONATE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.4	ug/L	3.4ug/L
039600	METHYL PARATHION	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<0.061	ug/L	0.061ug/L
078300	M-NITROANILINE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.3	ug/L	3.3ug/L
034696	NAPHTHALENE	SP	No	EPA 8270E	7/27/2022 5:49:00 PM	<0.050	ug/L	0.050ug/L
034447	NITROBENZENE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.2	ug/L	3.2ug/L
073611	N-NITROSODIETHYLAMINE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.9	ug/L	3.9ug/L
034438	N-NITROSODIMETHYLAMINE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.8	ug/L	3.8ug/L
073609	N-NITROSODI-N-BUTYLAMINE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<4.5	ug/L	4.5ug/L
034428	N-NITROSODI-N-PROPYLAMINE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<4.5	ug/L	4.5ug/L
034433	N-NITROSODIPHENYLAMINE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<5.4	ug/L	5.4ug/L
073613	N-NITROSOMETHYLETHYLAMINE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.7	ug/L	3.7ug/L
073619	N-NITROSOPIPERIDINE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.9	ug/L	3.9ug/L
078206	N-NITROSOPYRROLIDINE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<4.2	ug/L	4.2ug/L
077142	O-TOLUIDINE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.4	ug/L	3.4ug/L
034452	P-CHLORO-M-CRESOL	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<7.3	ug/L	7.3ug/L
073558	P-DIMETHYLAMINO AZOBENZENE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.4	ug/L	3.4ug/L
077793	PENTACHLOROBENZENE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<0.034	ug/L	0.034ug/L
081316	PENTACHLORONITROBENZENE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<0.047	ug/L	0.047ug/L
073626	PHENACETIN	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<2.7	ug/L	2.7ug/L
034461	PHENANTHRENE	SP	No	EPA 8270E	7/27/2022 5:49:00 PM	<0.050	ug/L	0.050ug/L
034694	PHENOL	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<5.6	ug/L	5.6ug/L
046313	PHORATE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<0.070	ug/L	0.070ug/L
030342	P-NITROANILINE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.2	ug/L	3.2ug/L
073628	P-PHENYLENEDIAMINE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<3.3	ug/L	3.3ug/L
039080	PRONAMIDE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<4.3	ug/L	4.3ug/L
034469	PYRENE	SP	No	EPA 8270E	7/27/2022 5:49:00 PM	<0.050	ug/L	0.050ug/L
077545	SAFROLE	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<4.8	ug/L	4.8ug/L
073553	THIONAZIN	SP	No	EPA 8270E	8/3/2022 5:43:00 PM	<2.8	ug/L	2.8ug/L
070300	TOTAL DISSOLVED SOLIDS	SP	No	SM 2540C-2011	7/29/2022 4:30:00 PM	84	mg/L	10mg/L
000720	CYANIDE	SP	No	SM 4500CN E-2011	7/27/2022 1:05:00 PM	<0.0067	mg/L	0.0067mg/L
000745	TOTAL SULFIDE	SP	No	SM 4500S2 F-2011	7/27/2022 9:42:00 AM	<0.45	mg/L	0.45mg/L

* Attach Laboratory Reports

Citrus County Central Landfill
Parameter Monitoring Report

PART III Analytical Results

Facility WACS #: SWD/09/3985

Test Site ID #:

Well Name: MW-7C(D)

Classification of Ground Water: GII

Ground Water Elevation (NGVD):

Sampling Date/Time: 7/25/2022 12:36:00 PM

Report Period: JULY 2022

Well Purged: Y

Well Type:
[ ] Background [ ] Intermediate
[ ] Compliance [ ] Water Supply
[ ] Detection [ ] Piezometer
[X] Assessment [ ] Leachate
[ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
046480	REDOX POTENTIAL (FIELD)	SP	No	SM2580B	7/25/2022 12:36:00 PM	60.1	mV	-999mV

* Attach Laboratory Reports

Citrus County Central Landfill
Parameter Monitoring Report

PART III Analytical Results

Facility WACS #: SWD/09/3985

Test Site ID #:

Well Name: MW-20C

Classification of Ground Water: GII

Ground Water Elevation (NGVD):

Sampling Date/Time: 8/2/2022 2:58:00 PM

Report Period: JULY 2022

Well Purged: Y

Well Type: [ ] Background [ ] Intermediate
[ ] Compliance [ ] Water Supply
[ ] Detection [ ] Piezometer
[X] Assessment [ ] Leachate
[ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
082546	DEPTH TO WATER FROM MEASURE PT	SP	No	DEP SOP	8/2/2022 2:58:00 PM	113.97	Ft	Ft
000094	CONDUCTIVITY (FIELD)	SP	No	EPA 120.1	8/2/2022 2:58:00 PM	1270	umhos/cm	0umhos/cm
000406	pH (FIELD)	SP	No	EPA 150.1	8/2/2022 2:58:00 PM	7.05	pH Units	pH Units
000010	TEMPERATURE (FIELD)	SP	No	EPA 170.1	8/2/2022 2:58:00 PM	29.5	°C	0°C
082078	TURBIDITY (FIELD)	SP	No	EPA 180.1	8/2/2022 2:58:00 PM	26.2	NTU	0NTU
000940	CHLORIDE	SP	No	EPA 300.0	8/3/2022 5:39:00 PM	13	mg/L	0.29mg/L
000620	NITRATE NITROGEN	SP	No	EPA 300.0	8/3/2022 5:39:00 PM	<0.052	mg/L	0.052mg/L
000610	AMMONIA NITROGEN	SP	No	EPA 350.1	8/8/2022 8:56:00 AM	0.059	mg/L	0.0098mg/L
000299	DISSOLVED OXYGEN (FIELD)	SP	No	EPA 360.1	8/2/2022 2:58:00 PM	4.27	mg/L	0mg/L
001097	ANTIMONY	SP	No	EPA 6020B	8/8/2022 11:32:00 AM	3.45 I	ug/L	2.50ug/L
001002	ARSENIC	SP	No	EPA 6020B	8/8/2022 11:32:00 AM	10.2	ug/L	6.10ug/L
001007	BARIUM	SP	No	EPA 6020B	8/8/2022 11:32:00 AM	60.5 I	ug/L	50.0ug/L
001012	BERYLLIUM	SP	No	EPA 6020B	8/8/2022 11:32:00 AM	<0.940	ug/L	0.940ug/L
001027	CADMIUM	SP	No	EPA 6020B	8/8/2022 11:32:00 AM	<2.00	ug/L	2.00ug/L
001034	CHROMIUM	SP	No	EPA 6020B	8/8/2022 11:32:00 AM	8.98 I	ug/L	5.00ug/L
001037	COBALT	SP	No	EPA 6020B	8/8/2022 11:32:00 AM	<5.00	ug/L	5.00ug/L
001042	COPPER	SP	No	EPA 6020B	8/8/2022 11:32:00 AM	2.71 I	ug/L	2.50ug/L
001045	IRON	SP	No	EPA 6020B	8/8/2022 11:32:00 AM	358	ug/L	50.0ug/L
001051	LEAD	SP	No	EPA 6020B	8/8/2022 11:32:00 AM	<2.50	ug/L	2.50ug/L
001067	NICKEL	SP	No	EPA 6020B	8/8/2022 11:32:00 AM	11.9	ug/L	5.00ug/L
001147	SELENIUM	SP	No	EPA 6020B	8/8/2022 11:32:00 AM	<6.50	ug/L	6.50ug/L
001077	SILVER	SP	No	EPA 6020B	8/8/2022 11:32:00 AM	<0.500	ug/L	0.500ug/L
000929	SODIUM	SP	No	EPA 6020B	8/8/2022 1:42:00 PM	297	mg/L	3.20mg/L
001059	THALLIUM	SP	No	EPA 6020B	8/8/2022 11:32:00 AM	<0.600	ug/L	0.600ug/L
001102	TIN	SP	No	EPA 6020B	8/8/2022 11:32:00 AM	<5.00	ug/L	5.00ug/L
001087	VANADIUM	SP	No	EPA 6020B	8/8/2022 11:32:00 AM	<5.00	ug/L	5.00ug/L
001092	ZINC	SP	No	EPA 6020B	8/8/2022 11:32:00 AM	<75.0	ug/L	75.0ug/L
071900	MERCURY	SP	No	EPA 7470A	8/5/2022 9:45:00 AM	<0.0230	ug/L	0.0230ug/L
049146	1,2-DIBROMO-3-CHLOROPROPANE	SP	No	EPA 8011	8/11/2022 11:31:00 AM	<0.012	ug/L	0.012ug/L
077651	1,2-DIBROMOETHANE (EDB)	SP	No	EPA 8011	8/11/2022 11:31:00 AM	<0.010	ug/L	0.010ug/L
039360	4,4'-DDD	SP	No	EPA 8081B	8/11/2022 3:06:00 PM	<0.027	ug/L	0.027ug/L
039365	4,4'-DDE	SP	No	EPA 8081B	8/11/2022 3:06:00 PM	<0.048	ug/L	0.048ug/L
039370	4,4'-DDT	SP	No	EPA 8081B	8/11/2022 3:06:00 PM	<0.033	ug/L	0.033ug/L
039330	ALDRIN	SP	No	EPA 8081B	8/11/2022 3:06:00 PM	<0.043	ug/L	0.043ug/L
039348	ALPHA CHLORDANE	SP	No	EPA 8081B	8/11/2022 3:06:00 PM	<0.029	ug/L	0.029ug/L
039337	ALPHA-BHC	SP	No	EPA 8081B	8/11/2022 3:06:00 PM	<0.035	ug/L	0.035ug/L
039338	BETA-BHC	SP	No	EPA 8081B	8/11/2022 3:06:00 PM	<0.048	ug/L	0.048ug/L
039350	CHLORDANE	SP	No	EPA 8081B	8/11/2022 3:06:00 PM	<0.48	ug/L	0.48ug/L
034259	DELTA-BHC	SP	No	EPA 8081B	8/11/2022 3:06:00 PM	<0.025	ug/L	0.025ug/L

* Attach Laboratory Reports

Citrus County Central Landfill
Parameter Monitoring Report

PART III Analytical Results

Facility WACS #: SWD/09/3985

Test Site ID #:

Well Name: MW-20C

Classification of Ground Water: GII

Ground Water Elevation (NGVD):

Sampling Date/Time: 8/2/2022 2:58:00 PM

Report Period: JULY 2022

Well Purged: Y

Well Type: [ ] Background [ ] Intermediate
[ ] Compliance [ ] Water Supply
[ ] Detection [ ] Piezometer
[X] Assessment [ ] Leachate
[ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
039380	DIELDRIN	SP	No	EPA 8081B	8/11/2022 3:06:00 PM	<0.023	ug/L	0.023ug/L
034361	ENDOSULFAN I	SP	No	EPA 8081B	8/11/2022 3:06:00 PM	<0.021	ug/L	0.021ug/L
034356	ENDOSULFAN II	SP	No	EPA 8081B	8/11/2022 3:06:00 PM	<0.023	ug/L	0.023ug/L
034351	ENDOSULFAN SULFATE	SP	No	EPA 8081B	8/11/2022 3:06:00 PM	<0.027	ug/L	0.027ug/L
039390	ENDRIN	SP	No	EPA 8081B	8/11/2022 3:06:00 PM	<0.019	ug/L	0.019ug/L
034366	ENDRIN ALDEHYDE	SP	No	EPA 8081B	8/11/2022 3:06:00 PM	<0.027	ug/L	0.027ug/L
039810	GAMMA CHLORDANE	SP	No	EPA 8081B	8/11/2022 3:06:00 PM	<0.032	ug/L	0.032ug/L
039340	GAMMA-BHC (LINDANE)	SP	No	EPA 8081B	8/11/2022 3:06:00 PM	<0.028	ug/L	0.028ug/L
039410	HEPTACHLOR	SP	No	EPA 8081B	8/11/2022 3:06:00 PM	<0.035	ug/L	0.035ug/L
039420	HEPTACHLOR EPOXIDE	SP	No	EPA 8081B	8/11/2022 3:06:00 PM	<0.024	ug/L	0.024ug/L
039480	METHOXYCHLOR	SP	No	EPA 8081B	8/11/2022 3:06:00 PM	<0.027	ug/L	0.027ug/L
039400	TOXAPHENE	SP	No	EPA 8081B	8/11/2022 3:06:00 PM	<0.64	ug/L	0.64ug/L
081297	PCB 1016/1242	SP	No	EPA 8082A	8/23/2022 11:29:00 PM	<0.49	ug/L	0.49ug/L
039488	PCB-1221	SP	No	EPA 8082A	8/23/2022 11:29:00 PM	<0.46	ug/L	0.46ug/L
039492	PCB-1232	SP	No	EPA 8082A	8/23/2022 11:29:00 PM	<0.47	ug/L	0.47ug/L
039500	PCB-1248	SP	No	EPA 8082A	8/23/2022 11:29:00 PM	<0.49	ug/L	0.49ug/L
039504	PCB-1254	SP	No	EPA 8082A	8/23/2022 11:29:00 PM	<0.50	ug/L	0.50ug/L
039508	PCB-1260	SP	No	EPA 8082A	8/23/2022 11:29:00 PM	<0.48	ug/L	0.48ug/L
039740	2,4,5-T	SP	No	EPA 8151A	8/15/2022 9:12:00 PM	<0.28	ug/L	0.28ug/L
039730	2,4-D	SP	No	EPA 8151A	8/15/2022 9:12:00 PM	<0.27	ug/L	0.27ug/L
030191	DINOSEB	SP	No	EPA 8151A	8/15/2022 9:12:00 PM	<0.32	ug/L	0.32ug/L
039032	PENTACHLOROPHENOL	SP	No	EPA 8151A	8/15/2022 9:12:00 PM	<0.19	ug/L	0.19ug/L
039760	SILVEX (2,4,5-TP)	SP	No	EPA 8151A	8/15/2022 9:12:00 PM	<0.44	ug/L	0.44ug/L
049263	(E)-1,4-DICHLORO-2-BUTENE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.79	ug/L	0.79ug/L
077562	1,1,1,2-TETRACHLOROETHANE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.61	ug/L	0.61ug/L
034506	1,1,1-TRICHLOROETHANE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.80	ug/L	0.80ug/L
034516	1,1,2,2-TETRACHLOROETHANE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.54	ug/L	0.54ug/L
034511	1,1,2-TRICHLOROETHANE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.76	ug/L	0.76ug/L
034496	1,1-DICHLOROETHANE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.62	ug/L	0.62ug/L
034501	1,1-DICHLOROETHENE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.94	ug/L	0.94ug/L
077168	1,1-DICHLOROPROPENE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.74	ug/L	0.74ug/L
077443	1,2,3-TRICHLOROPROPANE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.64	ug/L	0.64ug/L
034551	1,2,4-TRICHLOROBENZENE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.70	ug/L	0.70ug/L
034536	1,2-DICHLOROBENZENE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.73	ug/L	0.73ug/L
034531	1,2-DICHLOROETHANE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.63	ug/L	0.63ug/L
034541	1,2-DICHLOROPROPANE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.80	ug/L	0.80ug/L
034566	1,3-DICHLOROBENZENE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.77	ug/L	0.77ug/L
077173	1,3-DICHLOROPROPANE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.60	ug/L	0.60ug/L
034571	1,4-DICHLOROBENZENE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.76	ug/L	0.76ug/L

* Attach Laboratory Reports

Citrus County Central Landfill
Parameter Monitoring Report

PART III Analytical Results

Facility WACS #: SWD/09/3985

Test Site ID #:

Well Name: MW-20C

Classification of Ground Water: GII

Ground Water Elevation (NGVD):

Sampling Date/Time: 8/2/2022 2:58:00 PM

Report Period: JULY 2022

Well Purged: Y

Well Type: [ ] Background [ ] Intermediate
[ ] Compliance [ ] Water Supply
[ ] Detection [ ] Piezometer
[X] Assessment [ ] Leachate
[ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
077170	2,2-DICHLOROPROPANE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.66	ug/L	0.66ug/L
077103	2-HEXANONE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<2.5	ug/L	2.5ug/L
078133	4-METHYL-2-PENTANONE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<2.5	ug/L	2.5ug/L
081552	ACETONE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<10	ug/L	10ug/L
076997	ACETONITRILE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<8.5	ug/L	8.5ug/L
034210	ACROLEIN	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<6.4	ug/L	6.4ug/L
034215	ACRYLONITRILE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<5.0	ug/L	5.0ug/L
078109	ALLYL CHLORIDE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<1.0	ug/L	1.0ug/L
034030	BENZENE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.71	ug/L	0.71ug/L
073085	BROMOCHLOROMETHANE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.94	ug/L	0.94ug/L
032101	BROMODICHLOROMETHANE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.52	ug/L	0.52ug/L
032104	BROMOFORM	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.75	ug/L	0.75ug/L
034413	BROMOMETHANE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.95	ug/L	0.95ug/L
077041	CARBON DISULFIDE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<2.5	ug/L	2.5ug/L
032102	CARBON TETRACHLORIDE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.94	ug/L	0.94ug/L
034301	CHLOROBENZENE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.72	ug/L	0.72ug/L
034311	CHLOROETHANE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.98	ug/L	0.98ug/L
032106	CHLOROFORM	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	2.7	ug/L	0.80ug/L
034418	CHLOROMETHANE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.82	ug/L	0.82ug/L
081520	CHLOROPRENE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.66	ug/L	0.66ug/L
077093	CIS-1,2-DICHLOROETHENE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.53	ug/L	0.53ug/L
034704	CIS-1,3-DICHLOROPROPENE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.59	ug/L	0.59ug/L
032105	DIBROMOCHLOROMETHANE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.50	ug/L	0.50ug/L
046361	DIBROMOMETHANE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.84	ug/L	0.84ug/L
034668	DICHLORODIFLUOROMETHANE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.74	ug/L	0.74ug/L
034423	DICHLOROMETHANE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<2.5	ug/L	2.5ug/L
073570	ETHYL METHACRYLATE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.54	ug/L	0.54ug/L
034371	ETHYLBENZENE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.69	ug/L	0.69ug/L
077033	ISOBUTYL ALCOHOL	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<14	ug/L	14ug/L
085795	M&P- XYLENES	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<1.3	ug/L	1.3ug/L
081593	METHACRYLONITRILE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<5.0	ug/L	5.0ug/L
081595	METHYL ETHYL KETONE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<4.5	ug/L	4.5ug/L
077424	METHYL IODIDE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<2.5	ug/L	2.5ug/L
081597	METHYL METHACRYLATE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.68	ug/L	0.68ug/L
077135	O-XYLENES	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.53	ug/L	0.53ug/L
077007	PROPIONITRILE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<5.0	ug/L	5.0ug/L
077128	STYRENE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.61	ug/L	0.61ug/L
034475	TETRACHLOROETHENE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.76	ug/L	0.76ug/L
034010	TOLUENE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.72	ug/L	0.72ug/L

* Attach Laboratory Reports

Citrus County Central Landfill
Parameter Monitoring Report

PART III Analytical Results

Facility WACS #: SWD/09/3985

Test Site ID #:

Well Name: MW-20C

Classification of Ground Water: GII

Ground Water Elevation (NGVD):

Sampling Date/Time: 8/2/2022 2:58:00 PM

Report Period: JULY 2022

Well Purged: Y

Well Type: [ ] Background [ ] Intermediate
[ ] Compliance [ ] Water Supply
[ ] Detection [ ] Piezometer
[X] Assessment [ ] Leachate
[ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
034546	TRANS-1,2-DICHLOROETHENE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.73	ug/L	0.73ug/L
034699	TRANS-1,3-DICHLOROPROPENE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.73	ug/L	0.73ug/L
039180	TRICHLOROETHENE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.89	ug/L	0.89ug/L
034488	TRICHLOROFLUOROMETHANE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.94	ug/L	0.94ug/L
077057	VINYL ACETATE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<2.5	ug/L	2.5ug/L
039175	VINYL CHLORIDE	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<0.71	ug/L	0.71ug/L
034020	XYLENES	SP	No	EPA 8260D	8/3/2022 7:12:00 PM	<1.3	ug/L	1.3ug/L
073652	000-TRIETHYLPHOSPHOROTHIOATE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.5	ug/L	3.5ug/L
077734	1,2,4,5-TETRACHLOROBENZENE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.2	ug/L	3.2ug/L
073653	1,3,5-TRINITROBENZENE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<5.1	ug/L	5.1ug/L
045622	1,3-DINITROBENZENE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.6	ug/L	3.6ug/L
073599	1,4-NAPHTHOQUINONE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<4.7	ug/L	4.7ug/L
077418	1-METHYLNAPHTHALENE	SP	No	EPA 8270E	8/10/2022 10:22:00 PM	<0.050	ug/L	0.050ug/L
073600	1-NAPHTHYLAMINE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<2.3	ug/L	2.3ug/L
073522	2,2'-OXYBIS(1-CHLOROPROPANE)	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.5	ug/L	3.5ug/L
077770	2,3,4,6-TETRACHLOROPHENOL	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.4	ug/L	3.4ug/L
077687	2,4,5-TRICHLOROPHENOL	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.9	ug/L	3.9ug/L
034621	2,4,6-TRICHLOROPHENOL	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<6.4	ug/L	6.4ug/L
034601	2,4-DICHLOROPHENOL	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<6.5	ug/L	6.5ug/L
034606	2,4-DIMETHYLPHENOL	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<6.4	ug/L	6.4ug/L
034616	2,4-DINITROPHENOL	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<7.7	ug/L	7.7ug/L
034611	2,4-DINITROTOLUENE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<0.038	ug/L	0.038ug/L
077541	2,6-DICHLOROPHENOL	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.8	ug/L	3.8ug/L
034626	2,6-DINITROTOLUENE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<2.9	ug/L	2.9ug/L
073501	2-ACETYLAMINOFLUORENE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.9	ug/L	3.9ug/L
034581	2-CHLORONAPHTHALENE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.2	ug/L	3.2ug/L
034586	2-CHLOROPHENOL	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<7.4	ug/L	7.4ug/L
077416	2-METHYLNAPHTHALENE	SP	No	EPA 8270E	8/10/2022 10:22:00 PM	<0.050	ug/L	0.050ug/L
077152	2-METHYLPHENOL	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.5	ug/L	3.5ug/L
073601	2-NAPHTHYLAMINE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<2.3	ug/L	2.3ug/L
078142	2-NITROANILINE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.3	ug/L	3.3ug/L
034591	2-NITROPHENOL	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<5.2	ug/L	5.2ug/L
034631	3,3'-DICHLOROBENZIDINE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.3	ug/L	3.3ug/L
082213	3,3'-DIMETHYLBENZIDINE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.6	ug/L	3.6ug/L
073591	3-METHYLCHOLANTHRENE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.0	ug/L	3.0ug/L
030204	4,6-DINITRO-2-METHYLPHENOL	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<6.0	ug/L	6.0ug/L
077581	4-AMINOBIPHENYL	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<2.6	ug/L	2.6ug/L
034636	4-BROMOPHENYL PHENYL ETHER	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.3	ug/L	3.3ug/L
073529	4-CHLOROBENZENAMINE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<4.3	ug/L	4.3ug/L

* Attach Laboratory Reports

Citrus County Central Landfill
Parameter Monitoring Report

PART III Analytical Results

Facility WACS #: SWD/09/3985

Test Site ID #:

Well Name: MW-20C

Classification of Ground Water: GII

Ground Water Elevation (NGVD):

Sampling Date/Time: 8/2/2022 2:58:00 PM

Report Period: JULY 2022

Well Purged: Y

Well Type: [ ] Background [ ] Intermediate
[ ] Compliance [ ] Water Supply
[ ] Detection [ ] Piezometer
[X] Assessment [ ] Leachate
[ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
034641	4-CHLOROPHENYL PHENYL ETHER	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.2	ug/L	3.2ug/L
034646	4-NITROPHENOL	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<7.9	ug/L	7.9ug/L
073622	5-NITRO-O-TOLUIDINE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<2.3	ug/L	2.3ug/L
073559	7,12DIMETHYLBENZ (A) ANTHRACENE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.3	ug/L	3.3ug/L
034205	ACENAPHTHENE	SP	No	EPA 8270E	8/10/2022 10:22:00 PM	<0.050	ug/L	0.050ug/L
034200	ACENAPHTHYLENE	SP	No	EPA 8270E	8/10/2022 10:22:00 PM	<0.050	ug/L	0.050ug/L
081553	ACETOPHENONE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.8	ug/L	3.8ug/L
034220	ANTHRACENE	SP	No	EPA 8270E	8/10/2022 10:22:00 PM	<0.050	ug/L	0.050ug/L
034526	BENZO (A) ANTHRACENE	SP	No	EPA 8270E	8/10/2022 10:22:00 PM	<0.050	ug/L	0.050ug/L
034247	BENZO (A) PYRENE	SP	No	EPA 8270E	8/10/2022 10:22:00 PM	<0.050	ug/L	0.050ug/L
034230	BENZO (B) FLUORANTHENE	SP	No	EPA 8270E	8/10/2022 10:22:00 PM	<0.059	ug/L	0.059ug/L
034521	BENZO (GHI) PERYLENE	SP	No	EPA 8270E	8/10/2022 10:22:00 PM	<0.050	ug/L	0.050ug/L
034242	BENZO (K) FLUORANTHENE	SP	No	EPA 8270E	8/10/2022 10:22:00 PM	<0.050	ug/L	0.050ug/L
077147	BENZYL ALCOHOL	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.9	ug/L	3.9ug/L
034278	BIS (2-CHLOROETHOXY) METHANE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.3	ug/L	3.3ug/L
034273	BIS (2-CHLOROETHYL) ETHER	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.8	ug/L	3.8ug/L
039100	BIS (2-ETHYLHEXYL) PHTHALATE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.5	ug/L	3.5ug/L
034292	BUTYL BENZYL PHTHALATE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<5.1	ug/L	5.1ug/L
039460	CHLOROBENZILATE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<0.029	ug/L	0.029ug/L
034320	CHRYSENE	SP	No	EPA 8270E	8/10/2022 10:22:00 PM	<0.051	ug/L	0.051ug/L
073540	DIALLATE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<0.030	ug/L	0.030ug/L
034556	DIBENZO (A,H) ANTHRACENE	SP	No	EPA 8270E	8/10/2022 10:22:00 PM	<0.052	ug/L	0.052ug/L
081302	DIBENZOFURAN	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<2.8	ug/L	2.8ug/L
034336	DIETHYL PHTHALATE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.0	ug/L	3.0ug/L
046314	DIMETHOATE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<0.043	ug/L	0.043ug/L
034341	DIMETHYL PHTHALATE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.0	ug/L	3.0ug/L
039110	DI-n-BUTYL PHTHALATE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.2	ug/L	3.2ug/L
034596	DI-n-OCTYL PHTHALATE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.6	ug/L	3.6ug/L
081888	DISULFOTON	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<0.062	ug/L	0.062ug/L
039540	ETHYL PARATHION	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<1.2	ug/L	1.2ug/L
073571	ETHYLMETHANESULFONATE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.3	ug/L	3.3ug/L
038462	FAMPHUR	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<0.052	ug/L	0.052ug/L
034376	FLUORANTHENE	SP	No	EPA 8270E	8/10/2022 10:22:00 PM	<0.051	ug/L	0.051ug/L
034381	FLUORENE	SP	No	EPA 8270E	8/10/2022 10:22:00 PM	<0.050	ug/L	0.050ug/L
039700	HEXACHLOROBENZENE (HCB)	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<0.027	ug/L	0.027ug/L
034391	HEXACHLOROBUTADIENE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<0.045	ug/L	0.045ug/L
034386	HEXACHLOROCYCLOPENTADIENE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.8	ug/L	3.8ug/L
034396	HEXACHLOROETHANE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.0	ug/L	3.0ug/L
073576	HEXACHLOROPROPENE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.3	ug/L	3.3ug/L

* Attach Laboratory Reports

Citrus County Central Landfill
Parameter Monitoring Report

PART III Analytical Results

Facility WACS #: SWD/09/3985

Test Site ID #:

Well Name: MW-20C

Classification of Ground Water: GII

Ground Water Elevation (NGVD):

Sampling Date/Time: 8/2/2022 2:58:00 PM

Report Period: JULY 2022

Well Purged: Y

Well Type: [ ] Background [ ] Intermediate
[ ] Compliance [ ] Water Supply
[ ] Detection [ ] Piezometer
[X] Assessment [ ] Leachate
[ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
034403	INDENO (1,2,3-cd) PYRENE	SP	No	EPA 8270E	8/10/2022 10:22:00 PM	<0.050	ug/L	0.050ug/L
039430	ISODRIN	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.0	ug/L	3.0ug/L
034408	ISOPHORONE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<4.5	ug/L	4.5ug/L
073582	ISOSAFROLE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<2.6	ug/L	2.6ug/L
081281	KEPONE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.3	ug/L	3.3ug/L
977148	m&p-CRESOL	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<8.2	ug/L	8.2ug/L
073589	METHAPYRILENE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.4	ug/L	3.4ug/L
073595	METHYL METHANESULFONATE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.4	ug/L	3.4ug/L
039600	METHYL PARATHION	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<0.061	ug/L	0.061ug/L
078300	M-NITROANILINE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.3	ug/L	3.3ug/L
034696	NAPHTHALENE	SP	No	EPA 8270E	8/10/2022 10:22:00 PM	<0.050	ug/L	0.050ug/L
034447	NITROBENZENE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.2	ug/L	3.2ug/L
073611	N-NITROSODIETHYLAMINE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.9	ug/L	3.9ug/L
034438	N-NITROSODIMETHYLAMINE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.8	ug/L	3.8ug/L
073609	N-NITROSODI-N-BUTYLAMINE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<4.5	ug/L	4.5ug/L
034428	N-NITROSODI-N-PROPYLAMINE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<4.5	ug/L	4.5ug/L
034433	N-NITROSODIPHENYLAMINE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<5.4	ug/L	5.4ug/L
073613	N-NITROSOMETHYLETHYLAMINE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.7	ug/L	3.7ug/L
073619	N-NITROSOPIPERIDINE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.9	ug/L	3.9ug/L
078206	N-NITROSOPYRROLIDINE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<4.2	ug/L	4.2ug/L
077142	O-TOLUIDINE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.4	ug/L	3.4ug/L
034452	P-CHLORO-M-CRESOL	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<7.3	ug/L	7.3ug/L
073558	P-DIMETHYLAMINO AZOBENZENE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.4	ug/L	3.4ug/L
077793	PENTACHLOROBENZENE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<0.034	ug/L	0.034ug/L
081316	PENTACHLORONITROBENZENE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<0.047	ug/L	0.047ug/L
073626	PHENACETIN	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<2.7	ug/L	2.7ug/L
034461	PHENANTHRENE	SP	No	EPA 8270E	8/10/2022 10:22:00 PM	<0.050	ug/L	0.050ug/L
034694	PHENOL	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<5.6	ug/L	5.6ug/L
046313	PHORATE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<0.070	ug/L	0.070ug/L
030342	P-NITROANILINE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.2	ug/L	3.2ug/L
073628	P-PHENYLENEDIAMINE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<3.3	ug/L	3.3ug/L
039080	PRONAMIDE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<4.3	ug/L	4.3ug/L
034469	PYRENE	SP	No	EPA 8270E	8/10/2022 10:22:00 PM	<0.050	ug/L	0.050ug/L
077545	SAFROLE	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<4.8	ug/L	4.8ug/L
073553	THIONAZIN	SP	No	EPA 8270E	8/23/2022 1:56:00 PM	<2.8	ug/L	2.8ug/L
070300	TOTAL DISSOLVED SOLIDS	SP	No	SM 2540C-2011	8/5/2022 2:00:00 PM	820	mg/L	10mg/L
000720	CYANIDE	SP	No	SM 4500CN E-2011	8/5/2022 2:00:00 PM	<0.0067	mg/L	0.0067mg/L
000745	TOTAL SULFIDE	SP	No	SM 4500S2 F-2011	8/8/2022 8:23:00 AM	<0.45	mg/L	0.45mg/L

* Attach Laboratory Reports

Citrus County Central Landfill
Parameter Monitoring Report

PART III Analytical Results

Facility WACS #: SWD/09/3985

Test Site ID #:

Well Name: MW-20C

Classification of Ground Water: GII

Ground Water Elevation (NGVD):

Sampling Date/Time: 8/2/2022 2:58:00 PM

Report Period: JULY 2022

Well Purged: Y

Well Type:
[ ] Background [ ] Intermediate
[ ] Compliance [ ] Water Supply
[ ] Detection [ ] Piezometer
[X] Assessment [ ] Leachate
[ ] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
046480	REDOX POTENTIAL (FIELD)	SP	No	SM2580B	8/2/2022 2:58:00 PM	145.7	mV	-999mV

* Attach Laboratory Reports

Citrus County Central Landfill
Parameter Monitoring Report

PART III Analytical Results

Facility WACS #: SWD/09/3985

Test Site ID #:

Well Name: EQUBLK1 (AF03870-03)

Classification of Ground Water:

Ground Water Elevation (NGVD):

Sampling Date/Time: 7/25/2022 1:05:00 PM

Report Period: JULY 2022

Well Purged:

Well Type: [ ] Background [ ] Intermediate
[ ] Compliance [ ] Water Supply
[ ] Detection [ ] Piezometer
[ ] Assessment [ ] Leachate
[X] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
000940	CHLORIDE	BP	No	EPA 300.0	7/27/2022 8:22:00 AM	<0.29	mg/L	0.29mg/L
000620	NITRATE NITROGEN	BP	No	EPA 300.0	7/27/2022 8:22:00 AM	<0.052	mg/L	0.052mg/L
000610	AMMONIA NITROGEN	BP	No	EPA 350.1	8/1/2022 9:55:00 AM	<0.0098	mg/L	0.0098mg/L
001097	ANTIMONY	BP	No	EPA 6020B	7/28/2022 1:41:00 PM	<2.50	ug/L	2.50ug/L
001002	ARSENIC	BP	No	EPA 6020B	7/28/2022 1:41:00 PM	<6.10	ug/L	6.10ug/L
001007	BARIUM	BP	No	EPA 6020B	7/28/2022 1:41:00 PM	<50.0	ug/L	50.0ug/L
001012	BERYLLIUM	BP	No	EPA 6020B	7/28/2022 1:41:00 PM	<0.940	ug/L	0.940ug/L
001027	CADMIUM	BP	No	EPA 6020B	7/28/2022 1:41:00 PM	<2.00	ug/L	2.00ug/L
001034	CHROMIUM	BP	No	EPA 6020B	7/28/2022 1:41:00 PM	<5.00	ug/L	5.00ug/L
001037	COBALT	BP	No	EPA 6020B	7/28/2022 1:41:00 PM	<5.00	ug/L	5.00ug/L
001042	COPPER	BP	No	EPA 6020B	7/28/2022 1:41:00 PM	<2.50	ug/L	2.50ug/L
001045	IRON	BP	No	EPA 6020B	7/28/2022 1:41:00 PM	<50.0	ug/L	50.0ug/L
001051	LEAD	BP	No	EPA 6020B	7/28/2022 1:41:00 PM	<2.50	ug/L	2.50ug/L
001067	NICKEL	BP	No	EPA 6020B	7/28/2022 1:41:00 PM	<5.00	ug/L	5.00ug/L
001147	SELENIUM	BP	No	EPA 6020B	7/28/2022 1:41:00 PM	<6.50	ug/L	6.50ug/L
001077	SILVER	BP	No	EPA 6020B	7/28/2022 1:41:00 PM	<0.500	ug/L	0.500ug/L
000929	SODIUM	BP	No	EPA 6020B	7/28/2022 1:41:00 PM	<0.320	mg/L	0.320mg/L
001059	THALLIUM	BP	No	EPA 6020B	7/28/2022 1:41:00 PM	<0.600	ug/L	0.600ug/L
001102	TIN	BP	No	EPA 6020B	7/28/2022 1:41:00 PM	<5.00	ug/L	5.00ug/L
001087	VANADIUM	BP	No	EPA 6020B	7/28/2022 1:41:00 PM	<5.00	ug/L	5.00ug/L
001092	ZINC	BP	No	EPA 6020B	7/28/2022 1:41:00 PM	<75.0	ug/L	75.0ug/L
071900	MERCURY	BP	No	EPA 7470A	7/28/2022 9:47:00 AM	<0.0230	ug/L	0.0230ug/L
049146	1,2-DIBROMO-3-CHLOROPROPANE	BP	No	EPA 8011	7/29/2022 6:45:00 AM	<0.012	ug/L	0.012ug/L
077651	1,2-DIBROMOETHANE (EDB)	BP	No	EPA 8011	7/29/2022 6:45:00 AM	<0.010	ug/L	0.010ug/L
039360	4,4'-DDD	BP	No	EPA 8081B	7/29/2022 6:51:00 PM	<0.020	ug/L	0.020ug/L
039365	4,4'-DDE	BP	No	EPA 8081B	7/29/2022 6:51:00 PM	<0.036	ug/L	0.036ug/L
039370	4,4'-DDT	BP	No	EPA 8081B	7/29/2022 6:51:00 PM	<0.025	ug/L	0.025ug/L
039330	ALDRIN	BP	No	EPA 8081B	7/29/2022 6:51:00 PM	<0.032	ug/L	0.032ug/L
039348	ALPHA CHLORDANE	BP	No	EPA 8081B	7/29/2022 6:51:00 PM	<0.022	ug/L	0.022ug/L
039337	ALPHA-BHC	BP	No	EPA 8081B	7/29/2022 6:51:00 PM	<0.026	ug/L	0.026ug/L
039338	BETA-BHC	BP	No	EPA 8081B	7/29/2022 6:51:00 PM	<0.036	ug/L	0.036ug/L
039350	CHLORDANE	BP	No	EPA 8081B	7/29/2022 6:51:00 PM	<0.36	ug/L	0.36ug/L
034259	DELTA-BHC	BP	No	EPA 8081B	7/29/2022 6:51:00 PM	<0.019	ug/L	0.019ug/L
039380	DIELDRIN	BP	No	EPA 8081B	7/29/2022 6:51:00 PM	<0.017	ug/L	0.017ug/L
034361	ENDOSULFAN I	BP	No	EPA 8081B	7/29/2022 6:51:00 PM	<0.016	ug/L	0.016ug/L
034356	ENDOSULFAN II	BP	No	EPA 8081B	7/29/2022 6:51:00 PM	<0.017	ug/L	0.017ug/L
034351	ENDOSULFAN SULFATE	BP	No	EPA 8081B	7/29/2022 6:51:00 PM	<0.020	ug/L	0.020ug/L
039390	ENDRIN	BP	No	EPA 8081B	7/29/2022 6:51:00 PM	<0.014	ug/L	0.014ug/L
034366	ENDRIN ALDEHYDE	BP	No	EPA 8081B	7/29/2022 6:51:00 PM	<0.020	ug/L	0.020ug/L

* Attach Laboratory Reports

Citrus County Central Landfill
Parameter Monitoring Report

PART III Analytical Results

Facility WACS #: SWD/09/3985

Test Site ID #:

Well Name: EQUBLK1 (AF03870-03)

Classification of Ground Water:

Ground Water Elevation (NGVD):

Sampling Date/Time: 7/25/2022 1:05:00 PM

Report Period: JULY 2022

Well Purged:

Well Type: [ ] Background [ ] Intermediate
[ ] Compliance [ ] Water Supply
[ ] Detection [ ] Piezometer
[ ] Assessment [ ] Leachate
[X] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
039810	GAMMA CHLORDANE	BP	No	EPA 8081B	7/29/2022 6:51:00 PM	<0.024	ug/L	0.024ug/L
039340	GAMMA-BHC (LINDANE)	BP	No	EPA 8081B	7/29/2022 6:51:00 PM	<0.021	ug/L	0.021ug/L
039410	HEPTACHLOR	BP	No	EPA 8081B	7/29/2022 6:51:00 PM	<0.026	ug/L	0.026ug/L
039420	HEPTACHLOR EPOXIDE	BP	No	EPA 8081B	7/29/2022 6:51:00 PM	<0.018	ug/L	0.018ug/L
039480	METHOXYCHLOR	BP	No	EPA 8081B	7/29/2022 6:51:00 PM	<0.020	ug/L	0.020ug/L
039400	TOXAPHENE	BP	No	EPA 8081B	7/29/2022 6:51:00 PM	<0.48	ug/L	0.48ug/L
081297	PCB 1016/1242	BP	No	EPA 8082A	8/3/2022 1:18:00 PM	<0.49	ug/L	0.49ug/L
039488	PCB-1221	BP	No	EPA 8082A	8/3/2022 1:18:00 PM	<0.46	ug/L	0.46ug/L
039492	PCB-1232	BP	No	EPA 8082A	8/3/2022 1:18:00 PM	<0.47	ug/L	0.47ug/L
039500	PCB-1248	BP	No	EPA 8082A	8/3/2022 1:18:00 PM	<0.49	ug/L	0.49ug/L
039504	PCB-1254	BP	No	EPA 8082A	8/3/2022 1:18:00 PM	<0.50	ug/L	0.50ug/L
039508	PCB-1260	BP	No	EPA 8082A	8/3/2022 1:18:00 PM	<0.48	ug/L	0.48ug/L
039740	2,4,5-T	BP	No	EPA 8151A	8/4/2022 7:57:00 PM	<0.28	ug/L	0.28ug/L
039730	2,4-D	BP	No	EPA 8151A	8/4/2022 7:57:00 PM	<0.27	ug/L	0.27ug/L
030191	DINOSEB	BP	No	EPA 8151A	8/4/2022 7:57:00 PM	<0.32	ug/L	0.32ug/L
039032	PENTACHLOROPHENOL	BP	No	EPA 8151A	8/4/2022 7:57:00 PM	<0.19	ug/L	0.19ug/L
039760	SILVEX (2,4,5-TP)	BP	No	EPA 8151A	8/4/2022 7:57:00 PM	<0.44	ug/L	0.44ug/L
049263	(E)-1,4-DICHLORO-2-BUTENE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.79	ug/L	0.79ug/L
077562	1,1,1,2-TETRACHLOROETHANE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.61	ug/L	0.61ug/L
034506	1,1,1-TRICHLOROETHANE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.80	ug/L	0.80ug/L
034516	1,1,2,2-TETRACHLOROETHANE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.54	ug/L	0.54ug/L
034511	1,1,2-TRICHLOROETHANE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.76	ug/L	0.76ug/L
034496	1,1-DICHLOROETHANE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.62	ug/L	0.62ug/L
034501	1,1-DICHLOROETHENE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.94	ug/L	0.94ug/L
077168	1,1-DICHLOROPROPENE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.74	ug/L	0.74ug/L
077443	1,2,3-TRICHLOROPROPANE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.64	ug/L	0.64ug/L
034551	1,2,4-TRICHLOROBENZENE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.70	ug/L	0.70ug/L
034536	1,2-DICHLOROBENZENE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.73	ug/L	0.73ug/L
034531	1,2-DICHLOROETHANE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.63	ug/L	0.63ug/L
034541	1,2-DICHLOROPROPANE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.80	ug/L	0.80ug/L
034566	1,3-DICHLOROBENZENE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.77	ug/L	0.77ug/L
077173	1,3-DICHLOROPROPANE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.60	ug/L	0.60ug/L
034571	1,4-DICHLOROBENZENE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.76	ug/L	0.76ug/L
077170	2,2-DICHLOROPROPANE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.66	ug/L	0.66ug/L
077103	2-HEXANONE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<2.5	ug/L	2.5ug/L
078133	4-METHYL-2-PENTANONE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<2.5	ug/L	2.5ug/L
081552	ACETONE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<10	ug/L	10ug/L
076997	ACETONITRILE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<8.5	ug/L	8.5ug/L
034210	ACROLEIN	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<6.4	ug/L	6.4ug/L

* Attach Laboratory Reports

Citrus County Central Landfill
Parameter Monitoring Report

PART III Analytical Results

Facility WACS #: SWD/09/3985

Test Site ID #:

Well Name: EQUBLK1 (AF03870-03)

Classification of Ground Water:

Ground Water Elevation (NGVD):

Sampling Date/Time: 7/25/2022 1:05:00 PM

Report Period: JULY 2022

Well Purged:

Well Type: [ ] Background [ ] Intermediate
[ ] Compliance [ ] Water Supply
[ ] Detection [ ] Piezometer
[ ] Assessment [ ] Leachate
[X] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
034215	ACRYLONITRILE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<5.0	ug/L	5.0ug/L
078109	ALLYL CHLORIDE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<1.0	ug/L	1.0ug/L
034030	BENZENE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.71	ug/L	0.71ug/L
073085	BROMOCHLOROMETHANE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.94	ug/L	0.94ug/L
032101	BROMODICHLOROMETHANE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.52	ug/L	0.52ug/L
032104	BROMOFORM	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.75	ug/L	0.75ug/L
034413	BROMOMETHANE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.95	ug/L	0.95ug/L
077041	CARBON DISULFIDE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<2.5	ug/L	2.5ug/L
032102	CARBON TETRACHLORIDE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.94	ug/L	0.94ug/L
034301	CHLOROBENZENE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.72	ug/L	0.72ug/L
034311	CHLOROETHANE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.98	ug/L	0.98ug/L
032106	CHLOROFORM	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.80	ug/L	0.80ug/L
034418	CHLOROMETHANE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.82	ug/L	0.82ug/L
081520	CHLOROPRENE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.66	ug/L	0.66ug/L
077093	CIS-1,2-DICHLOROETHENE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.53	ug/L	0.53ug/L
034704	CIS-1,3-DICHLOROPROPENE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.59	ug/L	0.59ug/L
032105	DIBROMOCHLOROMETHANE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.50	ug/L	0.50ug/L
046361	DIBROMOMETHANE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.84	ug/L	0.84ug/L
034668	DICHLORODIFLUOROMETHANE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.74	ug/L	0.74ug/L
034423	DICHLOROMETHANE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<2.5	ug/L	2.5ug/L
073570	ETHYL METHACRYLATE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.54	ug/L	0.54ug/L
034371	ETHYLBENZENE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.69	ug/L	0.69ug/L
077033	ISOBUTYL ALCOHOL	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<14	ug/L	14ug/L
085795	M&P- XYLENES	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<1.3	ug/L	1.3ug/L
081593	METHACRYLONITRILE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<5.0	ug/L	5.0ug/L
081595	METHYL ETHYL KETONE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<4.5	ug/L	4.5ug/L
077424	METHYL IODIDE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<2.5	ug/L	2.5ug/L
081597	METHYL METHACRYLATE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.68	ug/L	0.68ug/L
034696	NAPHTHALENE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.82	ug/L	0.82ug/L
077135	O-XYLENES	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.53	ug/L	0.53ug/L
077007	PROPIONITRILE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<5.0	ug/L	5.0ug/L
077128	STYRENE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.61	ug/L	0.61ug/L
034475	TETRACHLOROETHENE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.76	ug/L	0.76ug/L
034010	TOLUENE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	0.87 I	ug/L	0.72ug/L
034546	TRANS-1,2-DICHLOROETHENE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.73	ug/L	0.73ug/L
034699	TRANS-1,3-DICHLOROPROPENE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.73	ug/L	0.73ug/L
039180	TRICHLOROETHENE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.89	ug/L	0.89ug/L
034488	TRICHLOROFLUOROMETHANE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.94	ug/L	0.94ug/L
077057	VINYL ACETATE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<2.5	ug/L	2.5ug/L

* Attach Laboratory Reports

Citrus County Central Landfill
Parameter Monitoring Report

PART III Analytical Results

Facility WACS #: SWD/09/3985

Test Site ID #:

Well Name: EQUBLK1 (AF03870-03)

Classification of Ground Water:

Ground Water Elevation (NGVD):

Sampling Date/Time: 7/25/2022 1:05:00 PM

Report Period: JULY 2022

Well Purged:

Well Type: [ ] Background [ ] Intermediate
[ ] Compliance [ ] Water Supply
[ ] Detection [ ] Piezometer
[ ] Assessment [ ] Leachate
[X] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
039175	VINYL CHLORIDE	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<0.71	ug/L	0.71ug/L
034020	XYLENES	BP	No	EPA 8260D	7/27/2022 4:26:00 PM	<1.3	ug/L	1.3ug/L
073652	000-TRIETHYLPHOSPHOROTHIOATE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.5	ug/L	3.5ug/L
077734	1,2,4,5-TETRACHLOROBENZENE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.2	ug/L	3.2ug/L
073653	1,3,5-TRINITROBENZENE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<5.1	ug/L	5.1ug/L
045622	1,3-DINITROBENZENE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.6	ug/L	3.6ug/L
073599	1,4-NAPHTHOQUINONE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<4.7	ug/L	4.7ug/L
077418	1-METHYLNAPHTHALENE	BP	No	EPA 8270E	7/29/2022 11:49:00 AM	<0.050	ug/L	0.050ug/L
073600	1-NAPHTHYLAMINE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<2.3	ug/L	2.3ug/L
073522	2,2'-OXYBIS(1-CHLOROPROPANE)	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.5	ug/L	3.5ug/L
077770	2,3,4,6-TETRACHLOROPHENOL	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.4	ug/L	3.4ug/L
077687	2,4,5-TRICHLOROPHENOL	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.9	ug/L	3.9ug/L
034621	2,4,6-TRICHLOROPHENOL	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<6.4	ug/L	6.4ug/L
034601	2,4-DICHLOROPHENOL	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<6.5	ug/L	6.5ug/L
034606	2,4-DIMETHYLPHENOL	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<6.4	ug/L	6.4ug/L
034616	2,4-DINITROPHENOL	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<7.7	ug/L	7.7ug/L
034611	2,4-DINITROTOLUENE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<0.038	ug/L	0.038ug/L
077541	2,6-DICHLOROPHENOL	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.8	ug/L	3.8ug/L
034626	2,6-DINITROTOLUENE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<2.9	ug/L	2.9ug/L
073501	2-ACETYLAMINOFLUORENE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.9	ug/L	3.9ug/L
034581	2-CHLORONAPHTHALENE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.2	ug/L	3.2ug/L
034586	2-CHLOROPHENOL	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<7.4	ug/L	7.4ug/L
077416	2-METHYLNAPHTHALENE	BP	No	EPA 8270E	7/29/2022 11:49:00 AM	<0.050	ug/L	0.050ug/L
077152	2-METHYLPHENOL	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.5	ug/L	3.5ug/L
073601	2-NAPHTHYLAMINE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<2.3	ug/L	2.3ug/L
078142	2-NITROANILINE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.3	ug/L	3.3ug/L
034591	2-NITROPHENOL	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<5.2	ug/L	5.2ug/L
034631	3,3'-DICHLOROBENZIDINE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.3	ug/L	3.3ug/L
082213	3,3'-DIMETHYLBENZIDINE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.6	ug/L	3.6ug/L
073591	3-METHYLCHOLANTHRENE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.0	ug/L	3.0ug/L
030204	4,6-DINITRO-2-METHYLPHENOL	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<6.0	ug/L	6.0ug/L
077581	4-AMINOBIPHENYL	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<2.6	ug/L	2.6ug/L
034636	4-BROMOPHENYL PHENYL ETHER	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.3	ug/L	3.3ug/L
073529	4-CHLOROBENZENAMINE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<4.3	ug/L	4.3ug/L
034641	4-CHLOROPHENYL PHENYL ETHER	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.2	ug/L	3.2ug/L
034646	4-NITROPHENOL	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<7.9	ug/L	7.9ug/L
073622	5-NITRO-O-TOLUIDINE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<2.3	ug/L	2.3ug/L
073559	7,12DIMETHYLBENZ (A) ANTHRACENE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.3	ug/L	3.3ug/L
034205	ACENAPHTHENE	BP	No	EPA 8270E	7/29/2022 11:49:00 AM	<0.050	ug/L	0.050ug/L

* Attach Laboratory Reports

Citrus County Central Landfill
Parameter Monitoring Report

PART III Analytical Results

Facility WACS #: SWD/09/3985

Test Site ID #:

Well Name: EQUBLK1 (AF03870-03RE1)

Classification of Ground Water:

Ground Water Elevation (NGVD):

Sampling Date/Time: 7/25/2022 1:05:00 PM

Report Period: JULY 2022

Well Purged:

Well Type: [ ] Background [ ] Intermediate
[ ] Compliance [ ] Water Supply
[ ] Detection [ ] Piezometer
[ ] Assessment [ ] Leachate
[X] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
034200	ACENAPHTHYLENE	BP	No	EPA 8270E	7/29/2022 11:49:00 AM	<0.050	ug/L	0.050ug/L
081553	ACETOPHENONE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.8	ug/L	3.8ug/L
034220	ANTHRACENE	BP	No	EPA 8270E	7/29/2022 11:49:00 AM	<0.050	ug/L	0.050ug/L
034526	BENZO (A) ANTHRACENE	BP	No	EPA 8270E	7/29/2022 11:49:00 AM	<0.050	ug/L	0.050ug/L
034247	BENZO (A) PYRENE	BP	No	EPA 8270E	7/29/2022 11:49:00 AM	<0.050	ug/L	0.050ug/L
034230	BENZO (B) FLUORANTHENE	BP	No	EPA 8270E	7/29/2022 11:49:00 AM	<0.059	ug/L	0.059ug/L
034521	BENZO (GHI) PERYLENE	BP	No	EPA 8270E	7/29/2022 11:49:00 AM	<0.050	ug/L	0.050ug/L
034242	BENZO (K) FLUORANTHENE	BP	No	EPA 8270E	7/29/2022 11:49:00 AM	<0.050	ug/L	0.050ug/L
077147	BENZYL ALCOHOL	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.9	ug/L	3.9ug/L
034278	BIS (2-CHLOROETHOXY) METHANE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.3	ug/L	3.3ug/L
034273	BIS (2-CHLOROETHYL) ETHER	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.8	ug/L	3.8ug/L
039100	BIS (2-ETHYLHEXYL) PHTHALATE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.5	ug/L	3.5ug/L
034292	BUTYL BENZYL PHTHALATE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<5.1	ug/L	5.1ug/L
039460	CHLOROBENZILATE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<0.029	ug/L	0.029ug/L
034320	CHRYSENE	BP	No	EPA 8270E	7/29/2022 11:49:00 AM	<0.051	ug/L	0.051ug/L
073540	DIALLATE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<0.030	ug/L	0.030ug/L
034556	DIBENZO (A,H) ANTHRACENE	BP	No	EPA 8270E	7/29/2022 11:49:00 AM	<0.052	ug/L	0.052ug/L
081302	DIBENZOFURAN	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<2.8	ug/L	2.8ug/L
034336	DIETHYL PHTHALATE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.0	ug/L	3.0ug/L
046314	DIMETHOATE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<0.043	ug/L	0.043ug/L
034341	DIMETHYL PHTHALATE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.0	ug/L	3.0ug/L
039110	DI-n-BUTYL PHTHALATE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.2	ug/L	3.2ug/L
034596	DI-n-OCTYL PHTHALATE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.6	ug/L	3.6ug/L
081888	DISULFOTON	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<0.062	ug/L	0.062ug/L
039540	ETHYL PARATHION	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<1.2	ug/L	1.2ug/L
073571	ETHYLMETHANESULFONATE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.3	ug/L	3.3ug/L
038462	FAMPHUR	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<0.052	ug/L	0.052ug/L
034376	FLUORANTHENE	BP	No	EPA 8270E	7/29/2022 11:49:00 AM	<0.051	ug/L	0.051ug/L
034381	FLUORENE	BP	No	EPA 8270E	7/29/2022 11:49:00 AM	<0.050	ug/L	0.050ug/L
039700	HEXACHLOROBENZENE (HCB)	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<0.027	ug/L	0.027ug/L
034391	HEXACHLOROBUTADIENE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<0.045	ug/L	0.045ug/L
034386	HEXACHLOROCYCLOPENTADIENE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.8	ug/L	3.8ug/L
034396	HEXACHLOROETHANE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.0	ug/L	3.0ug/L
073576	HEXACHLOROPROPENE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.3	ug/L	3.3ug/L
034403	INDENO (1,2,3-cd) PYRENE	BP	No	EPA 8270E	7/29/2022 11:49:00 AM	<0.050	ug/L	0.050ug/L
039430	ISODRIN	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.0	ug/L	3.0ug/L
034408	ISOPHORONE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<4.5	ug/L	4.5ug/L
073582	ISOSAFROLE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<2.6	ug/L	2.6ug/L
081281	KEPONE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.3	ug/L	3.3ug/L

* Attach Laboratory Reports

Citrus County Central Landfill
Parameter Monitoring Report

PART III Analytical Results

Facility WACS #: SWD/09/3985

Test Site ID #:

Well Name: EQUBLK1 (AF03870-03)

Classification of Ground Water:

Ground Water Elevation (NGVD):

Sampling Date/Time: 7/25/2022 1:05:00 PM

Report Period: JULY 2022

Well Purged:

Well Type: [ ] Background [ ] Intermediate
[ ] Compliance [ ] Water Supply
[ ] Detection [ ] Piezometer
[ ] Assessment [ ] Leachate
[X] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
977148	m&p-CRESOL	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<8.2	ug/L	8.2ug/L
073589	METHAPYRILENE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.4	ug/L	3.4ug/L
073595	METHYL METHANESULFONATE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.4	ug/L	3.4ug/L
039600	METHYL PARATHION	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<0.061	ug/L	0.061ug/L
078300	M-NITROANILINE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.3	ug/L	3.3ug/L
034447	NITROBENZENE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.2	ug/L	3.2ug/L
073611	N-NITROSODIETHYLAMINE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.9	ug/L	3.9ug/L
034438	N-NITROSODIMETHYLAMINE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.8	ug/L	3.8ug/L
073609	N-NITROSODI-N-BUTYLAMINE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<4.5	ug/L	4.5ug/L
034428	N-NITROSODI-N-PROPYLAMINE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<4.5	ug/L	4.5ug/L
034433	N-NITROSODIPHENYLAMINE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<5.4	ug/L	5.4ug/L
073613	N-NITROSOMETHYLETHYLAMINE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.7	ug/L	3.7ug/L
073619	N-NITROSOPIPERIDINE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.9	ug/L	3.9ug/L
078206	N-NITROSOPYRROLIDINE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<4.2	ug/L	4.2ug/L
077142	O-TOLUIDINE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.4	ug/L	3.4ug/L
034452	P-CHLORO-M-CRESOL	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<7.3	ug/L	7.3ug/L
073558	P-DIMETHYLAMINO AZOBENZENE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.4	ug/L	3.4ug/L
077793	PENTACHLOROBENZENE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<0.034	ug/L	0.034ug/L
081316	PENTACHLORONITROBENZENE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<0.047	ug/L	0.047ug/L
073626	PHENACETIN	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<2.7	ug/L	2.7ug/L
034461	PHENANTHRENE	BP	No	EPA 8270E	7/29/2022 11:49:00 AM	<0.050	ug/L	0.050ug/L
034694	PHENOL	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<5.6	ug/L	5.6ug/L
046313	PHORATE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<0.070	ug/L	0.070ug/L
030342	P-NITROANILINE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.2	ug/L	3.2ug/L
073628	P-PHENYLENEDIAMINE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<3.3	ug/L	3.3ug/L
039080	PRONAMIDE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<4.3	ug/L	4.3ug/L
034469	PYRENE	BP	No	EPA 8270E	7/29/2022 11:49:00 AM	<0.050	ug/L	0.050ug/L
077545	SAFROLE	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<4.8	ug/L	4.8ug/L
073553	THIONAZIN	BP	No	EPA 8270E	8/3/2022 5:13:00 PM	<2.8	ug/L	2.8ug/L
070300	TOTAL DISSOLVED SOLIDS	BP	No	SM 2540C-2011	7/29/2022 4:30:00 PM	<10	mg/L	10mg/L
000720	CYANIDE	BP	No	SM 4500CN E-2011	7/27/2022 1:05:00 PM	<0.0067	mg/L	0.0067mg/L
000745	TOTAL SULFIDE	BP	No	SM 4500S2 F-2011	7/27/2022 9:42:00 AM	<0.45	mg/L	0.45mg/L

* Attach Laboratory Reports

Citrus County Central Landfill
Parameter Monitoring Report

PART III Analytical Results

Facility WACS #: SWD/09/3985

Test Site ID #:

Well Name: TRIP1 (AF03870-04)

Classification of Ground Water:

Ground Water Elevation (NGVD):

Sampling Date/Time: 7/25/2022

Report Period: JULY 2022

Well Purged:

Well Type: [ ] Background [ ] Intermediate
[ ] Compliance [ ] Water Supply
[ ] Detection [ ] Piezometer
[ ] Assessment [ ] Leachate
[X] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
049263	(E)-1,4-DICHLORO-2-BUTENE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.79	ug/L	0.79ug/L
077562	1,1,1,2-TETRACHLOROETHANE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.61	ug/L	0.61ug/L
034506	1,1,1-TRICHLOROETHANE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.80	ug/L	0.80ug/L
034516	1,1,2,2-TETRACHLOROETHANE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.54	ug/L	0.54ug/L
034511	1,1,2-TRICHLOROETHANE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.76	ug/L	0.76ug/L
034496	1,1-DICHLOROETHANE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.62	ug/L	0.62ug/L
034501	1,1-DICHLOROETHENE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.94	ug/L	0.94ug/L
077168	1,1-DICHLOROPROPENE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.74	ug/L	0.74ug/L
077443	1,2,3-TRICHLOROPROPANE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.64	ug/L	0.64ug/L
034551	1,2,4-TRICHLOROBENZENE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.70	ug/L	0.70ug/L
034536	1,2-DICHLOROBENZENE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.73	ug/L	0.73ug/L
034531	1,2-DICHLOROETHANE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.63	ug/L	0.63ug/L
034541	1,2-DICHLOROPROPANE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.80	ug/L	0.80ug/L
034566	1,3-DICHLOROBENZENE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.77	ug/L	0.77ug/L
077173	1,3-DICHLOROPROPANE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.60	ug/L	0.60ug/L
034571	1,4-DICHLOROBENZENE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.76	ug/L	0.76ug/L
077170	2,2-DICHLOROPROPANE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.66	ug/L	0.66ug/L
077103	2-HEXANONE		No	EPA 8260D	7/27/2022 4:55:00 PM	<2.5	ug/L	2.5ug/L
078133	4-METHYL-2-PENTANONE		No	EPA 8260D	7/27/2022 4:55:00 PM	<2.5	ug/L	2.5ug/L
081552	ACETONE		No	EPA 8260D	7/27/2022 4:55:00 PM	<10	ug/L	10ug/L
076997	ACETONITRILE		No	EPA 8260D	7/27/2022 4:55:00 PM	<8.5	ug/L	8.5ug/L
034210	ACROLEIN		No	EPA 8260D	7/27/2022 4:55:00 PM	<6.4	ug/L	6.4ug/L
034215	ACRYLONITRILE		No	EPA 8260D	7/27/2022 4:55:00 PM	<5.0	ug/L	5.0ug/L
078109	ALLYL CHLORIDE		No	EPA 8260D	7/27/2022 4:55:00 PM	<1.0	ug/L	1.0ug/L
034030	BENZENE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.71	ug/L	0.71ug/L
073085	BROMOCHLOROMETHANE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.94	ug/L	0.94ug/L
032101	BROMODICHLOROMETHANE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.52	ug/L	0.52ug/L
032104	BROMOFORM		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.75	ug/L	0.75ug/L
034413	BROMOMETHANE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.95	ug/L	0.95ug/L
077041	CARBON DISULFIDE		No	EPA 8260D	7/27/2022 4:55:00 PM	<2.5	ug/L	2.5ug/L
032102	CARBON TETRACHLORIDE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.94	ug/L	0.94ug/L
034301	CHLOROBENZENE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.72	ug/L	0.72ug/L
034311	CHLOROETHANE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.98	ug/L	0.98ug/L
032106	CHLOROFORM		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.80	ug/L	0.80ug/L
034418	CHLOROMETHANE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.82	ug/L	0.82ug/L
081520	CHLOROPRENE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.66	ug/L	0.66ug/L
077093	CIS-1,2-DICHLOROETHENE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.53	ug/L	0.53ug/L
034704	CIS-1,3-DICHLOROPROPENE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.59	ug/L	0.59ug/L
032105	DIBROMOCHLOROMETHANE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.50	ug/L	0.50ug/L

* Attach Laboratory Reports

Citrus County Central Landfill
Parameter Monitoring Report

PART III Analytical Results

Facility WACS #: SWD/09/3985

Test Site ID #:

Well Name: TRIP1 (AF03870-04)

Classification of Ground Water:

Ground Water Elevation (NGVD):

Sampling Date/Time: 7/25/2022

Report Period: JULY 2022

Well Purged:

Well Type: [ ] Background [ ] Intermediate
[ ] Compliance [ ] Water Supply
[ ] Detection [ ] Piezometer
[ ] Assessment [ ] Leachate
[X] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
046361	DIBROMOMETHANE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.84	ug/L	0.84ug/L
034668	DICHLORODIFLUOROMETHANE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.74	ug/L	0.74ug/L
034423	DICHLOROMETHANE		No	EPA 8260D	7/27/2022 4:55:00 PM	<2.5	ug/L	2.5ug/L
073570	ETHYL METHACRYLATE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.54	ug/L	0.54ug/L
034371	ETHYLBENZENE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.69	ug/L	0.69ug/L
034391	HEXACHLOROBUTADIENE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.70	ug/L	0.70ug/L
077033	ISOBUTYL ALCOHOL		No	EPA 8260D	7/27/2022 4:55:00 PM	<14	ug/L	14ug/L
085795	M&P- XYLENES		No	EPA 8260D	7/27/2022 4:55:00 PM	<1.3	ug/L	1.3ug/L
081593	METHACRYLONITRILE		No	EPA 8260D	7/27/2022 4:55:00 PM	<5.0	ug/L	5.0ug/L
081595	METHYL ETHYL KETONE		No	EPA 8260D	7/27/2022 4:55:00 PM	<4.5	ug/L	4.5ug/L
077424	METHYL IODIDE		No	EPA 8260D	7/27/2022 4:55:00 PM	<2.5	ug/L	2.5ug/L
081597	METHYL METHACRYLATE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.68	ug/L	0.68ug/L
034696	NAPHTHALENE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.82	ug/L	0.82ug/L
077135	O-XYLENES		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.53	ug/L	0.53ug/L
077007	PROPIONITRILE		No	EPA 8260D	7/27/2022 4:55:00 PM	<5.0	ug/L	5.0ug/L
077128	STYRENE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.61	ug/L	0.61ug/L
034475	TETRACHLOROETHENE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.76	ug/L	0.76ug/L
034010	TOLUENE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.72	ug/L	0.72ug/L
034546	TRANS-1,2-DICHLOROETHENE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.73	ug/L	0.73ug/L
034699	TRANS-1,3-DICHLOROPROPENE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.73	ug/L	0.73ug/L
039180	TRICHLOROETHENE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.89	ug/L	0.89ug/L
034488	TRICHLOROFLUOROMETHANE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.94	ug/L	0.94ug/L
077057	VINYL ACETATE		No	EPA 8260D	7/27/2022 4:55:00 PM	<2.5	ug/L	2.5ug/L
039175	VINYL CHLORIDE		No	EPA 8260D	7/27/2022 4:55:00 PM	<0.71	ug/L	0.71ug/L
034020	XYLENES		No	EPA 8260D	7/27/2022 4:55:00 PM	<1.3	ug/L	1.3ug/L

* Attach Laboratory Reports

Citrus County Central Landfill
Parameter Monitoring Report

PART III Analytical Results

Facility WACS #: SWD/09/3985

Test Site ID #:

Well Name: TRIP2 (AF03870-05)

Classification of Ground Water:

Ground Water Elevation (NGVD):

Sampling Date/Time: 7/25/2022

Report Period: JULY 2022

Well Purged:

Well Type: [ ] Background [ ] Intermediate
[ ] Compliance [ ] Water Supply
[ ] Detection [ ] Piezometer
[ ] Assessment [ ] Leachate
[X] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
049263	(E)-1,4-DICHLORO-2-BUTENE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.79	ug/L	0.79ug/L
077562	1,1,1,2-TETRACHLOROETHANE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.61	ug/L	0.61ug/L
034506	1,1,1-TRICHLOROETHANE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.80	ug/L	0.80ug/L
034516	1,1,2,2-TETRACHLOROETHANE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.54	ug/L	0.54ug/L
034511	1,1,2-TRICHLOROETHANE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.76	ug/L	0.76ug/L
034496	1,1-DICHLOROETHANE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.62	ug/L	0.62ug/L
034501	1,1-DICHLOROETHENE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.94	ug/L	0.94ug/L
077168	1,1-DICHLOROPROPENE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.74	ug/L	0.74ug/L
077443	1,2,3-TRICHLOROPROPANE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.64	ug/L	0.64ug/L
034551	1,2,4-TRICHLOROBENZENE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.70	ug/L	0.70ug/L
034536	1,2-DICHLOROBENZENE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.73	ug/L	0.73ug/L
034531	1,2-DICHLOROETHANE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.63	ug/L	0.63ug/L
034541	1,2-DICHLOROPROPANE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.80	ug/L	0.80ug/L
034566	1,3-DICHLOROBENZENE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.77	ug/L	0.77ug/L
077173	1,3-DICHLOROPROPANE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.60	ug/L	0.60ug/L
034571	1,4-DICHLOROBENZENE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.76	ug/L	0.76ug/L
077170	2,2-DICHLOROPROPANE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.66	ug/L	0.66ug/L
077103	2-HEXANONE		No	EPA 8260D	7/27/2022 5:24:00 PM	<2.5	ug/L	2.5ug/L
078133	4-METHYL-2-PENTANONE		No	EPA 8260D	7/27/2022 5:24:00 PM	<2.5	ug/L	2.5ug/L
081552	ACETONE		No	EPA 8260D	7/27/2022 5:24:00 PM	<10	ug/L	10ug/L
076997	ACETONITRILE		No	EPA 8260D	7/27/2022 5:24:00 PM	<8.5	ug/L	8.5ug/L
034210	ACROLEIN		No	EPA 8260D	7/27/2022 5:24:00 PM	<6.4	ug/L	6.4ug/L
034215	ACRYLONITRILE		No	EPA 8260D	7/27/2022 5:24:00 PM	<5.0	ug/L	5.0ug/L
078109	ALLYL CHLORIDE		No	EPA 8260D	7/27/2022 5:24:00 PM	<1.0	ug/L	1.0ug/L
034030	BENZENE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.71	ug/L	0.71ug/L
073085	BROMOCHLOROMETHANE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.94	ug/L	0.94ug/L
032101	BROMODICHLOROMETHANE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.52	ug/L	0.52ug/L
032104	BROMOFORM		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.75	ug/L	0.75ug/L
034413	BROMOMETHANE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.95	ug/L	0.95ug/L
077041	CARBON DISULFIDE		No	EPA 8260D	7/27/2022 5:24:00 PM	<2.5	ug/L	2.5ug/L
032102	CARBON TETRACHLORIDE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.94	ug/L	0.94ug/L
034301	CHLOROBENZENE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.72	ug/L	0.72ug/L
034311	CHLOROETHANE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.98	ug/L	0.98ug/L
032106	CHLOROFORM		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.80	ug/L	0.80ug/L
034418	CHLOROMETHANE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.82	ug/L	0.82ug/L
081520	CHLOROPRENE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.66	ug/L	0.66ug/L
077093	CIS-1,2-DICHLOROETHENE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.53	ug/L	0.53ug/L
034704	CIS-1,3-DICHLOROPROPENE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.59	ug/L	0.59ug/L
032105	DIBROMOCHLOROMETHANE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.50	ug/L	0.50ug/L

* Attach Laboratory Reports

Citrus County Central Landfill
Parameter Monitoring Report

PART III Analytical Results

Facility WACS #: SWD/09/3985

Test Site ID #:

Well Name: TRIP2 (AF03870-05)

Classification of Ground Water:

Ground Water Elevation (NGVD):

Sampling Date/Time: 7/25/2022

Report Period: JULY 2022

Well Purged:

Well Type: [ ] Background [ ] Intermediate
[ ] Compliance [ ] Water Supply
[ ] Detection [ ] Piezometer
[ ] Assessment [ ] Leachate
[X] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
046361	DIBROMOMETHANE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.84	ug/L	0.84ug/L
034668	DICHLORODIFLUOROMETHANE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.74	ug/L	0.74ug/L
034423	DICHLOROMETHANE		No	EPA 8260D	7/27/2022 5:24:00 PM	<2.5	ug/L	2.5ug/L
073570	ETHYL METHACRYLATE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.54	ug/L	0.54ug/L
034371	ETHYLBENZENE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.69	ug/L	0.69ug/L
034391	HEXACHLOROBUTADIENE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.70	ug/L	0.70ug/L
077033	ISOBUTYL ALCOHOL		No	EPA 8260D	7/27/2022 5:24:00 PM	<14	ug/L	14ug/L
085795	M&P- XYLENES		No	EPA 8260D	7/27/2022 5:24:00 PM	<1.3	ug/L	1.3ug/L
081593	METHACRYLONITRILE		No	EPA 8260D	7/27/2022 5:24:00 PM	<5.0	ug/L	5.0ug/L
081595	METHYL ETHYL KETONE		No	EPA 8260D	7/27/2022 5:24:00 PM	<4.5	ug/L	4.5ug/L
077424	METHYL IODIDE		No	EPA 8260D	7/27/2022 5:24:00 PM	<2.5	ug/L	2.5ug/L
081597	METHYL METHACRYLATE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.68	ug/L	0.68ug/L
034696	NAPHTHALENE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.82	ug/L	0.82ug/L
077135	O-XYLENES		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.53	ug/L	0.53ug/L
077007	PROPIONITRILE		No	EPA 8260D	7/27/2022 5:24:00 PM	<5.0	ug/L	5.0ug/L
077128	STYRENE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.61	ug/L	0.61ug/L
034475	TETRACHLOROETHENE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.76	ug/L	0.76ug/L
034010	TOLUENE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.72	ug/L	0.72ug/L
034546	TRANS-1,2-DICHLOROETHENE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.73	ug/L	0.73ug/L
034699	TRANS-1,3-DICHLOROPROPENE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.73	ug/L	0.73ug/L
039180	TRICHLOROETHENE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.89	ug/L	0.89ug/L
034488	TRICHLOROFLUOROMETHANE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.94	ug/L	0.94ug/L
077057	VINYL ACETATE		No	EPA 8260D	7/27/2022 5:24:00 PM	<2.5	ug/L	2.5ug/L
039175	VINYL CHLORIDE		No	EPA 8260D	7/27/2022 5:24:00 PM	<0.71	ug/L	0.71ug/L
034020	XYLENES		No	EPA 8260D	7/27/2022 5:24:00 PM	<1.3	ug/L	1.3ug/L

* Attach Laboratory Reports

Citrus County Central Landfill
Parameter Monitoring Report

PART III Analytical Results

Facility WACS #: SWD/09/3985

Test Site ID #:

Well Name: TRIP3 (AF05754-04)

Classification of Ground Water:

Ground Water Elevation (NGVD):

Sampling Date/Time: 8/2/2022

Report Period: JULY 2022

Well Purged:

Well Type: [ ] Background [ ] Intermediate
[ ] Compliance [ ] Water Supply
[ ] Detection [ ] Piezometer
[ ] Assessment [ ] Leachate
[X] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
049263	(E)-1,4-DICHLORO-2-BUTENE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.79	ug/L	0.79ug/L
077562	1,1,1,2-TETRACHLOROETHANE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.61	ug/L	0.61ug/L
034506	1,1,1-TRICHLOROETHANE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.80	ug/L	0.80ug/L
034516	1,1,2,2-TETRACHLOROETHANE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.54	ug/L	0.54ug/L
034511	1,1,2-TRICHLOROETHANE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.76	ug/L	0.76ug/L
034496	1,1-DICHLOROETHANE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.62	ug/L	0.62ug/L
034501	1,1-DICHLOROETHENE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.94	ug/L	0.94ug/L
077168	1,1-DICHLOROPROPENE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.74	ug/L	0.74ug/L
077443	1,2,3-TRICHLOROPROPANE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.64	ug/L	0.64ug/L
034551	1,2,4-TRICHLOROBENZENE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.70	ug/L	0.70ug/L
034536	1,2-DICHLOROBENZENE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.73	ug/L	0.73ug/L
034531	1,2-DICHLOROETHANE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.63	ug/L	0.63ug/L
034541	1,2-DICHLOROPROPANE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.80	ug/L	0.80ug/L
034566	1,3-DICHLOROBENZENE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.77	ug/L	0.77ug/L
077173	1,3-DICHLOROPROPANE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.60	ug/L	0.60ug/L
034571	1,4-DICHLOROBENZENE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.76	ug/L	0.76ug/L
077170	2,2-DICHLOROPROPANE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.66	ug/L	0.66ug/L
077103	2-HEXANONE		No	EPA 8260D	8/3/2022 6:43:00 PM	<2.5	ug/L	2.5ug/L
078133	4-METHYL-2-PENTANONE		No	EPA 8260D	8/3/2022 6:43:00 PM	<2.5	ug/L	2.5ug/L
081552	ACETONE		No	EPA 8260D	8/3/2022 6:43:00 PM	<10	ug/L	10ug/L
076997	ACETONITRILE		No	EPA 8260D	8/3/2022 6:43:00 PM	<8.5	ug/L	8.5ug/L
034210	ACROLEIN		No	EPA 8260D	8/3/2022 6:43:00 PM	<6.4	ug/L	6.4ug/L
034215	ACRYLONITRILE		No	EPA 8260D	8/3/2022 6:43:00 PM	<5.0	ug/L	5.0ug/L
078109	ALLYL CHLORIDE		No	EPA 8260D	8/3/2022 6:43:00 PM	<1.0	ug/L	1.0ug/L
034030	BENZENE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.71	ug/L	0.71ug/L
073085	BROMOCHLOROMETHANE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.94	ug/L	0.94ug/L
032101	BROMODICHLOROMETHANE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.52	ug/L	0.52ug/L
032104	BROMOFORM		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.75	ug/L	0.75ug/L
034413	BROMOMETHANE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.95	ug/L	0.95ug/L
077041	CARBON DISULFIDE		No	EPA 8260D	8/3/2022 6:43:00 PM	<2.5	ug/L	2.5ug/L
032102	CARBON TETRACHLORIDE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.94	ug/L	0.94ug/L
034301	CHLOROBENZENE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.72	ug/L	0.72ug/L
034311	CHLOROETHANE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.98	ug/L	0.98ug/L
032106	CHLOROFORM		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.80	ug/L	0.80ug/L
034418	CHLOROMETHANE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.82	ug/L	0.82ug/L
081520	CHLOROPRENE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.66	ug/L	0.66ug/L
077093	CIS-1,2-DICHLOROETHENE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.53	ug/L	0.53ug/L
034704	CIS-1,3-DICHLOROPROPENE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.59	ug/L	0.59ug/L
032105	DIBROMOCHLOROMETHANE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.50	ug/L	0.50ug/L

* Attach Laboratory Reports

Citrus County Central Landfill
Parameter Monitoring Report

PART III Analytical Results

Facility WACS #: SWD/09/3985

Test Site ID #:

Well Name: TRIP3 (AF05754-04)

Classification of Ground Water:

Ground Water Elevation (NGVD):

Sampling Date/Time: 8/2/2022

Report Period: JULY 2022

Well Purged:

Well Type: [ ] Background [ ] Intermediate
[ ] Compliance [ ] Water Supply
[ ] Detection [ ] Piezometer
[ ] Assessment [ ] Leachate
[X] Other [ ] Surface Water

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
046361	DIBROMOMETHANE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.84	ug/L	0.84ug/L
034668	DICHLORODIFLUOROMETHANE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.74	ug/L	0.74ug/L
034423	DICHLOROMETHANE		No	EPA 8260D	8/3/2022 6:43:00 PM	<2.5	ug/L	2.5ug/L
073570	ETHYL METHACRYLATE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.54	ug/L	0.54ug/L
034371	ETHYLBENZENE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.69	ug/L	0.69ug/L
034391	HEXACHLOROBUTADIENE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.70	ug/L	0.70ug/L
077033	ISOBUTYL ALCOHOL		No	EPA 8260D	8/3/2022 6:43:00 PM	<14	ug/L	14ug/L
085795	M&P- XYLENES		No	EPA 8260D	8/3/2022 6:43:00 PM	<1.3	ug/L	1.3ug/L
081593	METHACRYLONITRILE		No	EPA 8260D	8/3/2022 6:43:00 PM	<5.0	ug/L	5.0ug/L
081595	METHYL ETHYL KETONE		No	EPA 8260D	8/3/2022 6:43:00 PM	<4.5	ug/L	4.5ug/L
077424	METHYL IODIDE		No	EPA 8260D	8/3/2022 6:43:00 PM	<2.5	ug/L	2.5ug/L
081597	METHYL METHACRYLATE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.68	ug/L	0.68ug/L
034696	NAPHTHALENE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.82	ug/L	0.82ug/L
077135	O-XYLENES		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.53	ug/L	0.53ug/L
077007	PROPIONITRILE		No	EPA 8260D	8/3/2022 6:43:00 PM	<5.0	ug/L	5.0ug/L
077128	STYRENE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.61	ug/L	0.61ug/L
034475	TETRACHLOROETHENE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.76	ug/L	0.76ug/L
034010	TOLUENE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.72	ug/L	0.72ug/L
034546	TRANS-1,2-DICHLOROETHENE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.73	ug/L	0.73ug/L
034699	TRANS-1,3-DICHLOROPROPENE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.73	ug/L	0.73ug/L
039180	TRICHLOROETHENE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.89	ug/L	0.89ug/L
034488	TRICHLOROFLUOROMETHANE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.94	ug/L	0.94ug/L
077057	VINYL ACETATE		No	EPA 8260D	8/3/2022 6:43:00 PM	<2.5	ug/L	2.5ug/L
039175	VINYL CHLORIDE		No	EPA 8260D	8/3/2022 6:43:00 PM	<0.71	ug/L	0.71ug/L
034020	XYLENES		No	EPA 8260D	8/3/2022 6:43:00 PM	<1.3	ug/L	1.3ug/L

* Attach Laboratory Reports

ATTACHMENT 4

ORIGINAL LABORATORY DATA INCLUDING CHAIN-OF-CUSTODY FORMS

ENCO Laboratories

Accurate. Timely. Responsive. Innovative.

10775 Central Port Drive
Orlando FL, 32824
Phone: 407.826.5314 FAX: 407.850.6945

Monday, August 8, 2022
Jones Edmunds & Associates, Inc. (JO006)
Attn: Elizabeth Kennelley
730 N.E.Waldo Road Bldg.A
Gainesville, FL 32641

RE: Laboratory Results for
Project Number: 39859, Project Name/Desc: Citrus Co. LF
ENCO Workorder(s): AF03870

Dear Elizabeth Kennelley,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Tuesday, July 26, 2022.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative if applicable. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Orlando. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

David Camacho

Project Manager

Enclosure(s)

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-7C(D) **Lab ID: AF03870-01** **Sampled: 07/25/22 12:36** **Received: 07/26/22 12:20**

Parameter	Preparation	Hold Date/Time(s)				Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	NO PREP	07/27/22	12:36			07/26/22	16:10	07/27/22 06:49
EPA 300.0	NO PREP	08/22/22				07/26/22	16:10	07/27/22 06:49
EPA 350.1	NO PREP	08/22/22				07/29/22	13:28	08/01/22 09:50
EPA 6020B	EPA 3005A	01/21/23				07/27/22	10:51	07/28/22 13:07
EPA 7470A	EPA 7470A	08/22/22				07/27/22	13:21	07/28/22 09:20
EPA 8011	EPA 504/8011	08/08/22				07/29/22	02:59	07/29/22 06:13
EPA 8082A	EPA 3510C	07/25/23		07/25/23		08/03/22	07:00	08/03/22 12:54
EPA 8151A	EPA 3510C	08/01/22		09/10/22		08/01/22	15:10	08/04/22 19:07
EPA 8260D	EPA 5030B_MS	08/08/22				07/27/22	00:00	07/27/22 18:24
EPA 8270E	EPA 3511_MS	08/01/22		09/05/22		07/27/22	11:10	07/27/22 17:49
EPA 8270E	EPA 3510C_MS	08/01/22		09/10/22		08/01/22	07:45	08/03/22 17:43
Field	*** DEFAULT PREP ***	07/25/22	12:50			07/25/22	12:36	07/25/22 12:36
Field	*** DEFAULT PREP ***	07/26/22	12:36	07/26/22	12:36	07/25/22	12:36	07/25/22 12:36
Field	*** DEFAULT PREP ***	07/27/22	12:36			07/25/22	12:36	07/25/22 12:36
SM 2540C-2011	NO PREP	08/01/22				07/28/22	12:10	07/29/22 16:30
SM 4500CN E-2011	NO PREP	08/08/22				07/27/22	11:00	07/27/22 13:05
SM 4500S2 F-2011	NO PREP	08/01/22				07/27/22	09:42	07/27/22 09:42

Client ID: MW-7C(D) **Lab ID: AF03870-01RE1** **Sampled: 07/25/22 12:36** **Received: 07/26/22 12:20**

Parameter	Preparation	Hold Date/Time(s)			Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8081B	EPA 3510C	08/01/22		09/12/22	08/03/22	07:00	08/03/22 14:32

Client ID: MW-7C(S) **Lab ID: AF03870-02** **Sampled: 07/25/22 14:33** **Received: 07/26/22 12:20**

Parameter	Preparation	Hold Date/Time(s)				Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	NO PREP	07/27/22	14:33			07/26/22	16:10	07/27/22 07:35
EPA 300.0	NO PREP	08/22/22				07/26/22	16:10	07/27/22 07:35
EPA 350.1	NO PREP	08/22/22				07/29/22	13:28	08/01/22 09:53
EPA 6020B	EPA 3005A	01/21/23				07/27/22	10:51	07/28/22 13:33
EPA 7470A	EPA 7470A	08/22/22				07/27/22	13:21	07/28/22 09:23
EPA 8011	EPA 504/8011	08/08/22				07/29/22	02:59	07/29/22 06:29
EPA 8082A	EPA 3510C	07/25/23		07/25/23		08/03/22	07:00	08/03/22 13:06
EPA 8151A	EPA 3510C	08/01/22		09/10/22		08/01/22	15:10	08/04/22 19:32
EPA 8260D	EPA 5030B_MS	08/08/22				07/27/22	00:00	07/27/22 18:52
EPA 8270E	EPA 3511_MS	08/01/22		09/05/22		07/27/22	11:10	07/27/22 18:10
EPA 8270E	EPA 3510C_MS	08/01/22		09/10/22		08/01/22	07:45	08/03/22 18:13
Field	*** DEFAULT PREP ***	07/25/22	14:47			07/25/22	14:33	07/25/22 14:33
Field	*** DEFAULT PREP ***	07/26/22	14:33	07/26/22	14:33	07/25/22	14:33	07/25/22 14:33
Field	*** DEFAULT PREP ***	07/27/22	14:33			07/25/22	14:33	07/25/22 14:33
SM 2540C-2011	NO PREP	08/01/22				07/28/22	12:10	07/29/22 16:30
SM 4500CN E-2011	NO PREP	08/08/22				07/27/22	11:00	07/27/22 13:05
SM 4500S2 F-2011	NO PREP	08/01/22				07/27/22	09:42	07/27/22 09:42

Client ID: MW-7C(S) **Lab ID: AF03870-02RE1** **Sampled: 07/25/22 14:33** **Received: 07/26/22 12:20**

Parameter	Preparation	Hold Date/Time(s)			Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8081B	EPA 3510C	08/01/22		09/12/22	08/03/22	07:00	08/03/22 14:45

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: EQUIPMENT BLANK AP2 **Lab ID: AF03870-03** **Sampled: 07/25/22 13:05** **Received: 07/26/22 12:20**

Parameter	Preparation	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	NO PREP	07/27/22 13:05		07/26/22	16:10	07/27/22 08:22
EPA 300.0	NO PREP	08/22/22		07/26/22	16:10	07/27/22 08:22
EPA 350.1	NO PREP	08/22/22		07/29/22	13:28	08/01/22 09:55
EPA 6020B	EPA 3005A	01/21/23		07/27/22	10:51	07/28/22 13:41
EPA 7470A	EPA 7470A	08/22/22		07/27/22	13:21	07/28/22 09:47
EPA 8011	EPA 504/8011	08/08/22		07/29/22	02:59	07/29/22 06:45
EPA 8081B	EPA 3510C	08/01/22	09/06/22	07/28/22	12:00	07/29/22 18:51
EPA 8082A	EPA 3510C	07/25/23	07/25/23	08/03/22	07:00	08/03/22 13:18
EPA 8151A	EPA 3510C	08/01/22	09/10/22	08/01/22	15:10	08/04/22 19:57
EPA 8260D	EPA 5030B_MS	08/08/22		07/27/22	00:00	07/27/22 16:26
EPA 8270E	EPA 3510C_MS	08/01/22	09/10/22	08/01/22	07:45	08/03/22 17:13
SM 2540C-2011	NO PREP	08/01/22		07/28/22	12:10	07/29/22 16:30
SM 4500CN E-2011	NO PREP	08/08/22		07/27/22	11:00	07/27/22 13:05
SM 4500S2 F-2011	NO PREP	08/01/22		07/27/22	09:42	07/27/22 09:42

Client ID: EQUIPMENT BLANK AP2 **Lab ID: AF03870-03RE1** **Sampled: 07/25/22 13:05** **Received: 07/26/22 12:20**

Parameter	Preparation	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8270E	EPA 3511_MS	08/01/22	09/06/22	07/28/22	07:20	07/29/22 11:49

Client ID: TRIP BLANK 1 **Lab ID: AF03870-04** **Sampled: 07/25/22 00:00** **Received: 07/26/22 12:20**

Parameter	Preparation	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260D	EPA 5030B_MS	08/08/22	07/27/22	00:00	07/27/22 16:55

Client ID: TRIP BLANK 2 **Lab ID: AF03870-05** **Sampled: 07/25/22 00:00** **Received: 07/26/22 12:20**

Parameter	Preparation	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260D	EPA 5030B_MS	08/08/22	07/27/22	00:00	07/27/22 17:24

SAMPLE DETECTION SUMMARY

Client ID: MW-7C(D) **Lab ID:** AF03870-01

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	0.012	I	0.0098	0.020	mg/L	EPA 350.1	
Chloride	4.1	I	0.29	5.0	mg/L	EPA 300.0	
Chloroform	1.2		0.80	1.0	ug/L	EPA 8260D	
Depth to Water	113.46				Ft	Field	
Dissolved Oxygen	3.61		0	0	mg/L	Field	
Nitrate as N	0.13	I	0.052	1.0	mg/L	EPA 300.0	
Oxidation/Reduction Potential	60.1		-999	-999	mV	Field	
pH	8.08				pH Units	Field	
Sodium - Total	11.3		0.320	1.00	mg/L	EPA 6020B	
Specific Conductance (EC)	169		0	0	umhos/cm	Field	
Temperature	29.0		0	0	°C	Field	
Total Dissolved Solids	84		10	10	mg/L	SM 2540C-2011	
Turbidity	1.51		0	0	NTU	Field	

Client ID: MW-7C(S) **Lab ID:** AF03870-02

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,4-Dichlorobenzene	0.84	I	0.76	1.0	ug/L	EPA 8260D	
Chloride	6.5		0.29	5.0	mg/L	EPA 300.0	
Chloroform	0.98	I	0.80	1.0	ug/L	EPA 8260D	
Depth to Water	117.68				Ft	Field	
Dissolved Oxygen	0.15		0	0	mg/L	Field	
Mercury - Total	4.45		0.0230	0.200	ug/L	EPA 7470A	
Nitrate as N	0.085	I	0.052	1.0	mg/L	EPA 300.0	
Oxidation/Reduction Potential	80.6		-999	-999	mV	Field	
pH	7.00				pH Units	Field	
Sodium - Total	17.5		0.320	1.00	mg/L	EPA 6020B	
Specific Conductance (EC)	489		0	0	umhos/cm	Field	
Temperature	30.1		0	0	°C	Field	
Total Dissolved Solids	260		10	10	mg/L	SM 2540C-2011	
Turbidity	3.31		0	0	NTU	Field	

Client ID: EQUIPMENT BLANK AP2 **Lab ID:** AF03870-03

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Toluene	0.87	I	0.72	1.0	ug/L	EPA 8260D	

ANALYTICAL RESULTS

Description: MW-7C(D) **Lab Sample ID:** AF03870-01 **Received:** 07/26/22 12:20

Matrix: Ground Water **Sampled:** 07/25/22 12:36 **Work Order:** AF03870

Project: Citrus Co. LF **Sampled By:** Royce Gamble

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.61	U	ug/L	1	0.61	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
1,1-Dichloropropene [563-58-6]^	0.74	U	ug/L	1	0.74	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
1,2,3-Trichloropropane [96-18-4]^	0.64	U	ug/L	1	0.64	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
1,2,4-Trichlorobenzene [120-82-1]^	0.70	U	ug/L	1	0.70	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
1,3-Dichloropropane [142-28-9]^	0.60	U	ug/L	1	0.60	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
2,2-Dichloropropane [594-20-7]^	0.66	U	ug/L	1	0.66	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
2-Butanone [78-93-3]^	4.5	U	ug/L	1	4.5	5.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
2-Hexanone [591-78-6]^	2.5	U	ug/L	1	2.5	5.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
3-Chloropropene [107-05-1]^	1.0	U	ug/L	1	1.0	2.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
4-Methyl-2-pentanone [108-10-1]^	2.5	U	ug/L	1	2.5	5.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
Acetone [67-64-1]^	10	U	ug/L	1	10	20	2G27007	EPA 8260D	07/27/22 18:24	JMW	
Acetonitrile [75-05-8]^	8.5	U	ug/L	1	8.5	10	2G27007	EPA 8260D	07/27/22 18:24	JMW	
Acrolein [107-02-8]^	6.4	U	ug/L	1	6.4	10	2G27007	EPA 8260D	07/27/22 18:24	JMW	
Acrylonitrile [107-13-1]^	5.0	U	ug/L	1	5.0	10	2G27007	EPA 8260D	07/27/22 18:24	JMW	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
Bromochloromethane [74-97-5]^	0.94	U	ug/L	1	0.94	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
Carbon disulfide [75-15-0]^	2.5	U	ug/L	1	2.5	5.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
Chloroform [67-66-3]^	**1.2**		ug/L	1	0.80	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
Chloroprene [126-99-8]^	0.66	U	ug/L	1	0.66	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
Dibromochloromethane [124-48-1]^	0.50	U	ug/L	1	0.50	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
Dibromomethane [74-95-3]^	0.84	U	ug/L	1	0.84	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
Ethyl Methacrylate [97-63-2]^	0.54	U	ug/L	1	0.54	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
Hexachlorobutadiene [87-68-3]^	0.70	U	ug/L	1	0.70	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
Iodomethane [74-88-4]^	2.5	U	ug/L	1	2.5	5.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
Isobutyl alcohol [78-83-1]^	14	U	ug/L	1	14	50	2G27007	EPA 8260D	07/27/22 18:24	JMW	QL-02
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	

ANALYTICAL RESULTS

Description: MW-7C(D) **Lab Sample ID:** AF03870-01 **Received:** 07/26/22 12:20
Matrix: Ground Water **Sampled:** 07/25/22 12:36 **Work Order:** AF03870
Project: Citrus Co. LF **Sampled By:** Royce Gamble

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methacrylonitrile [126-98-7]^	5.0	U	ug/L	1	5.0	10	2G27007	EPA 8260D	07/27/22 18:24	JMW	
Methyl Methacrylate [80-62-6]^	0.68	U	ug/L	1	0.68	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
Methylene chloride [75-09-2]^	2.5	U	ug/L	1	2.5	5.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
Naphthalene [91-20-3]^	0.82	U	ug/L	1	0.82	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
Propionitrile [107-12-0]^	5.0	U	ug/L	1	5.0	10	2G27007	EPA 8260D	07/27/22 18:24	JMW	
Styrene [100-42-5]^	0.61	U	ug/L	1	0.61	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
trans-1,4-Dichloro-2-butene [110-57-6]^	0.79	U	ug/L	1	0.79	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
Vinyl acetate [108-05-4]^	2.5	U	ug/L	1	2.5	5.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	2G27007	EPA 8260D	07/27/22 18:24	JMW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*105 %*	*41-142*	*2G27007*	*EPA 8260D*	*07/27/22 18:24*	*JMW*	
Dibromofluoromethane	*50*	*1*	*50.0*	*99 %*	*53-146*	*2G27007*	*EPA 8260D*	*07/27/22 18:24*	*JMW*	
Toluene-d8	*51*	*1*	*50.0*	*101 %*	*41-146*	*2G27007*	*EPA 8260D*	*07/27/22 18:24*	*JMW*	

Semivolatile Organic Compounds by GCMS SIM

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2,4,5-Tetrachlorobenzene [95-94-3]^	3.2	U	ug/L	1	3.2	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
1,3,5-Trinitrobenzene [99-35-4]^	5.1	U	ug/L	1	5.1	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
1,3-Dinitrobenzene [99-65-0]^	3.6	U	ug/L	1	3.6	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
1,4-Naphthoquinone [130-15-4]^	4.7	U	ug/L	1	4.7	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
1,4-Phenylenediamine [106-50-3]^	3.3	U	ug/L	1	3.3	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
1-Methylnaphthalene [90-12-0]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/27/22 17:49	jfi	
1-Naphthylamine [134-32-7]^	2.3	U	ug/L	1	2.3	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
2,3,4,6-Tetrachlorophenol [58-90-2]^	3.4	U	ug/L	1	3.4	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
2,4,5-Trichlorophenol [95-95-4]^	3.9	U	ug/L	1	3.9	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	QV-01
2,4,6-Trichlorophenol [88-06-2]^	6.4	U	ug/L	1	6.4	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
2,4-Dichlorophenol [120-83-2]^	6.5	U	ug/L	1	6.5	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
2,4-Dimethylphenol [105-67-9]^	6.4	U	ug/L	1	6.4	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
2,4-Dinitrophenol [51-28-5]^	7.7	U	ug/L	1	7.7	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
2,4-Dinitrotoluene [SIM] [121-14-2]^	0.038	U	ug/L	1	0.038	0.10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
2,6-Dichlorophenol [87-65-0]^	3.8	U	ug/L	1	3.8	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
2,6-Dinitrotoluene [606-20-2]^	2.9	U	ug/L	1	2.9	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
2-Acetylaminofluorene [53-96-3]^	3.9	U	ug/L	1	3.9	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
2-Chloronaphthalene [91-58-7]^	3.2	U	ug/L	1	3.2	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
2-Chlorophenol [95-57-8]^	7.4	U	ug/L	1	7.4	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
2-Methyl-4,6-dinitrophenol [534-52-1]^	6.0	U	ug/L	1	6.0	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
2-Methylnaphthalene [91-57-6]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/27/22 17:49	jfi	

ANALYTICAL RESULTS

Description: MW-7C(D) **Lab Sample ID:** AF03870-01 **Received:** 07/26/22 12:20
Matrix: Ground Water **Sampled:** 07/25/22 12:36 **Work Order:** AF03870
Project: Citrus Co. LF **Sampled By:** Royce Gamble

Semivolatile Organic Compounds by GCMS SIM

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2-Methylphenol [95-48-7]^	3.5	U	ug/L	1	3.5	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
2-Naphthylamine [91-59-8]^	2.3	U	ug/L	1	2.3	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
2-Nitroaniline [88-74-4]^	3.3	U	ug/L	1	3.3	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
2-Nitrophenol [88-75-5]^	5.2	U	ug/L	1	5.2	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
3 & 4-Methylphenol [108-39-4/106-44-5]^	8.2	U	ug/L	1	8.2	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
3,3'-Dichlorobenzidine [91-94-1]^	3.3	U	ug/L	1	3.3	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
3,3'-Dimethylbenzidine [119-93-7]^	3.6	U	ug/L	1	3.6	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
3-Methylcholanthrene [56-49-5]^	3.0	U	ug/L	1	3.0	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
3-Nitroaniline [99-09-2]^	3.3	U	ug/L	1	3.3	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
4-Aminobiphenyl [92-67-1]^	2.6	U	ug/L	1	2.6	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
4-Bromophenyl-phenylether [101-55-3]^	3.3	U	ug/L	1	3.3	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
4-Chloro-3-methylphenol [59-50-7]^	7.3	U	ug/L	1	7.3	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
4-Chloroaniline [106-47-8]^	4.3	U	ug/L	1	4.3	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
4-Chlorophenyl-phenylether [7005-72-3]^	3.2	U	ug/L	1	3.2	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
4-Nitroaniline [100-01-6]^	3.2	U	ug/L	1	3.2	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
4-Nitrophenol [100-02-7]^	7.9	U	ug/L	1	7.9	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
5-Nitro-o-toluidine [99-55-8]^	2.3	U	ug/L	1	2.3	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
7,12-Dimethylbenz(a)anthracene [57-97-6]^	3.3	U	ug/L	1	3.3	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Acenaphthene [83-32-9]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/27/22 17:49	jfi	
Acenaphthylene [208-96-8]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/27/22 17:49	jfi	
Acetophenone [98-86-2]^	3.8	U	ug/L	1	3.8	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Anthracene [120-12-7]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/27/22 17:49	jfi	
Benzo(a)anthracene [56-55-3]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/27/22 17:49	jfi	
Benzo(a)pyrene [50-32-8]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/27/22 17:49	jfi	
Benzo(b)fluoranthene [205-99-2]^	0.059	U	ug/L	1	0.059	0.10	2G27018	EPA 8270E	07/27/22 17:49	jfi	
Benzo(g,h,i)perylene [191-24-2]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/27/22 17:49	jfi	
Benzo(k)fluoranthene [207-08-9]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/27/22 17:49	jfi	
Benzyl alcohol [100-51-6]^	3.9	U	ug/L	1	3.9	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Bis(2-chloroethoxy)methane [111-91-1]^	3.3	U	ug/L	1	3.3	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Bis(2-chloroethyl)ether [111-44-4]^	3.8	U	ug/L	1	3.8	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Bis(2-chloroisopropyl)ether [108-60-1]^	3.5	U	ug/L	1	3.5	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Bis(2-ethylhexyl)phthalate [117-81-7]^	3.5	U	ug/L	1	3.5	5.0	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Butylbenzylphthalate [85-68-7]^	5.1	U	ug/L	1	5.1	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Chlorobenzilate [SIM] [510-15-6]^	0.029	U	ug/L	1	0.029	0.10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Chrysene [218-01-9]^	0.051	U	ug/L	1	0.051	0.10	2G27018	EPA 8270E	07/27/22 17:49	jfi	
Diallate [SIM] [2303-16-4]^	0.030	U	ug/L	1	0.030	0.10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Dibenzo(a,h)anthracene [53-70-3]^	0.052	U	ug/L	1	0.052	0.10	2G27018	EPA 8270E	07/27/22 17:49	jfi	
Dibenzofuran [132-64-9]^	2.8	U	ug/L	1	2.8	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Diethylphthalate [84-66-2]^	3.0	U	ug/L	1	3.0	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Dimethoate [SIM] [60-51-5]^	0.043	U	ug/L	1	0.043	0.10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Dimethylphthalate [131-11-3]^	3.0	U	ug/L	1	3.0	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Di-n-butylphthalate [84-74-2]^	3.2	U	ug/L	1	3.2	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Di-n-octylphthalate [117-84-0]^	3.6	U	ug/L	1	3.6	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Disulfoton [SIM] [298-04-4]^	0.062	U	ug/L	1	0.062	0.10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Ethyl methanesulfonate [62-50-0]^	3.3	U	ug/L	1	3.3	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Famphur [SIM] [52-85-7]^	0.052	U	ug/L	1	0.052	0.10	2H01006	EPA 8270E	08/03/22 17:43	jfi	

ANALYTICAL RESULTS

Description: MW-7C(D) **Lab Sample ID:** AF03870-01 **Received:** 07/26/22 12:20

Matrix: Ground Water **Sampled:** 07/25/22 12:36 **Work Order:** AF03870

Project: Citrus Co. LF **Sampled By:** Royce Gamble

Semivolatile Organic Compounds by GCMS SIM

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Fluoranthene [206-44-0]^	0.051	U	ug/L	1	0.051	0.10	2G27018	EPA 8270E	07/27/22 17:49	jfi	
Fluorene [86-73-7]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/27/22 17:49	jfi	
Hexachlorobenzene [SIM] [118-74-1]^	0.027	U	ug/L	1	0.027	0.10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Hexachlorobutadiene [SIM] [87-68-3]^	0.045	U	ug/L	1	0.045	0.10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Hexachlorocyclopentadiene [77-47-4]^	3.8	U	ug/L	1	3.8	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Hexachloroethane [67-72-1]^	3.0	U	ug/L	1	3.0	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Hexachloropropene [1888-71-7]^	3.3	U	ug/L	1	3.3	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Indeno(1,2,3-cd)pyrene [193-39-5]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/27/22 17:49	jfi	
Isodrin [465-73-6]^	3.0	U	ug/L	1	3.0	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Isophorone [78-59-1]^	4.5	U	ug/L	1	4.5	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Isosafrole [120-58-1]^	2.6	U	ug/L	1	2.6	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Kepone [SIM] [143-50-0]^	3.3	U	ug/L	1	3.3	5.0	2H01006	EPA 8270E	08/03/22 17:43	jfi	QV-01
Methapyrilene [91-80-5]^	3.4	U	ug/L	1	3.4	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Methyl Methanesulfonate [66-27-3]^	3.4	U	ug/L	1	3.4	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Methyl Parathion [SIM] [298-00-0]^	0.061	U	ug/L	1	0.061	0.10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Naphthalene [91-20-3]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/27/22 17:49	jfi	
Nitrobenzene [98-95-3]^	3.2	U	ug/L	1	3.2	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
N-Nitrosodiethylamine [55-18-5]^	3.9	U	ug/L	1	3.9	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
N-Nitrosodimethylamine [62-75-9]^	3.8	U	ug/L	1	3.8	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
N-Nitrosodi-n-butylamine [924-16-3]^	4.5	U	ug/L	1	4.5	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
N-Nitroso-di-n-propylamine [621-64-7]^	4.5	U	ug/L	1	4.5	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4]^	5.4	U	ug/L	1	5.4	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
N-Nitrosomethylethylamine [10595-95-6]^	3.7	U	ug/L	1	3.7	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
N-Nitrosopiperidine [100-75-4]^	3.9	U	ug/L	1	3.9	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
N-Nitrosopyrrolidine [930-55-2]^	4.2	U	ug/L	1	4.2	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
O,O,O-Triethyl phosphorothioate [126-68-1]^	3.5	U	ug/L	1	3.5	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
o-Toluidine [95-53-4]^	3.4	U	ug/L	1	3.4	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Parathion [56-38-2]^	1.2	U	ug/L	1	1.2	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
p-Dimethylaminoazobenzene [60-11-7]^	3.4	U	ug/L	1	3.4	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Pentachlorobenzene [SIM] [608-93-5]^	0.034	U	ug/L	1	0.034	0.10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Pentachloronitrobenzene [SIM] [82-68-8]^	0.047	U	ug/L	1	0.047	0.10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Phenacetin [62-44-2]^	2.7	U	ug/L	1	2.7	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Phenanthrene [85-01-8]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/27/22 17:49	jfi	
Phenol [108-95-2]^	5.6	U	ug/L	1	5.6	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	QL-02
Phorate [SIM] [298-02-2]^	0.070	U	ug/L	1	0.070	0.10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Pronamide [23950-58-5]^	4.3	U	ug/L	1	4.3	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Pyrene [129-00-0]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/27/22 17:49	jfi	
Safrole [94-59-7]^	4.8	U	ug/L	1	4.8	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	
Thionazin [297-97-2]^	2.8	U	ug/L	1	2.8	10	2H01006	EPA 8270E	08/03/22 17:43	jfi	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*34*	*1*	*50.0*	*69 %*	*33-145*	*2H01006*	*EPA 8270E*	*08/03/22 17:43*	*jfi*	
2-Fluorobiphenyl	*44*	*1*	*50.0*	*87 %*	*32-116*	*2H01006*	*EPA 8270E*	*08/03/22 17:43*	*jfi*	
2-Fluorophenol	*24*	*1*	*50.0*	*48 %*	*11-100*	*2H01006*	*EPA 8270E*	*08/03/22 17:43*	*jfi*	
2-Methylnaphthalene-d10	*6.0*	*1*	*5.71*	*105 %*	*50-150*	*2G27018*	*EPA 8270E*	*07/27/22 17:49*	*jfi*	
Fluoranthene-d10	*6.5*	*1*	*5.71*	*114 %*	*50-150*	*2G27018*	*EPA 8270E*	*07/27/22 17:49*	*jfi*	

ANALYTICAL RESULTS

Description: MW-7C(D) **Lab Sample ID:** AF03870-01 **Received:** 07/26/22 12:20
Matrix: Ground Water **Sampled:** 07/25/22 12:36 **Work Order:** AF03870
Project: Citrus Co. LF **Sampled By:** Royce Gamble

Semivolatile Organic Compounds by GCMS SIM

^ - ENCO Orlando certified analyte [NELAC E83182]

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
Nitrobenzene-d5	*38*	*1*	*50.0*	*75 %*	*24-107*	*2H01006*	*EPA 8270E*	*08/03/22 17:43*	*jfi*	
Phenol-d5	*15*	*1*	*50.0*	*29 %*	*10-100*	*2H01006*	*EPA 8270E*	*08/03/22 17:43*	*jfi*	
Terphenyl-d14	*51*	*1*	*50.0*	*103 %*	*52-150*	*2H01006*	*EPA 8270E*	*08/03/22 17:43*	*jfi*	

Organochlorine Pesticides by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8]^	0.020	U	ug/L	1	0.020	0.050	2H03001	EPA 8081B	08/03/22 14:32	JJB	Q-01
4,4'-DDE [72-55-9]^	0.036	U	ug/L	1	0.036	0.050	2H03001	EPA 8081B	08/03/22 14:32	JJB	Q-01
4,4'-DDT [50-29-3]^	0.025	U	ug/L	1	0.025	0.050	2H03001	EPA 8081B	08/03/22 14:32	JJB	Q-01
Aldrin [309-00-2]^	0.032	U	ug/L	1	0.032	0.050	2H03001	EPA 8081B	08/03/22 14:32	JJB	Q-01
alpha-BHC [319-84-6]^	0.026	U	ug/L	1	0.026	0.050	2H03001	EPA 8081B	08/03/22 14:32	JJB	Q-01
beta-BHC [319-85-7]^	0.036	U	ug/L	1	0.036	0.050	2H03001	EPA 8081B	08/03/22 14:32	JJB	Q-01
Chlordane (tech) [12789-03-6]^	0.36	U	ug/L	1	0.36	0.50	2H03001	EPA 8081B	08/03/22 14:32	JJB	Q-01
Chlordane-alpha [5103-71-9]^	0.022	U	ug/L	1	0.022	0.050	2H03001	EPA 8081B	08/03/22 14:32	JJB	Q-01
Chlordane-gamma [5103-74-2]^	0.024	U	ug/L	1	0.024	0.050	2H03001	EPA 8081B	08/03/22 14:32	JJB	Q-01
delta-BHC [319-86-8]^	0.019	U	ug/L	1	0.019	0.050	2H03001	EPA 8081B	08/03/22 14:32	JJB	Q-01
Dieldrin [60-57-1]^	0.017	U	ug/L	1	0.017	0.050	2H03001	EPA 8081B	08/03/22 14:32	JJB	Q-01
Endosulfan I [959-98-8]^	0.016	U	ug/L	1	0.016	0.050	2H03001	EPA 8081B	08/03/22 14:32	JJB	Q-01
Endosulfan II [33213-65-9]^	0.017	U	ug/L	1	0.017	0.050	2H03001	EPA 8081B	08/03/22 14:32	JJB	Q-01
Endosulfan sulfate [1031-07-8]^	0.020	U	ug/L	1	0.020	0.050	2H03001	EPA 8081B	08/03/22 14:32	JJB	Q-01
Endrin [72-20-8]^	0.014	U	ug/L	1	0.014	0.050	2H03001	EPA 8081B	08/03/22 14:32	JJB	Q-01
Endrin aldehyde [7421-93-4]^	0.020	U	ug/L	1	0.020	0.050	2H03001	EPA 8081B	08/03/22 14:32	JJB	Q-01
gamma-BHC [58-89-9]^	0.021	U	ug/L	1	0.021	0.050	2H03001	EPA 8081B	08/03/22 14:32	JJB	Q-01
Heptachlor [76-44-8]^	0.026	U	ug/L	1	0.026	0.050	2H03001	EPA 8081B	08/03/22 14:32	JJB	Q-01
Heptachlor epoxide [1024-57-3]^	0.018	U	ug/L	1	0.018	0.050	2H03001	EPA 8081B	08/03/22 14:32	JJB	Q-01
Methoxychlor [72-43-5]^	0.020	U	ug/L	1	0.020	0.050	2H03001	EPA 8081B	08/03/22 14:32	JJB	Q-01
Toxaphene [8001-35-2]^	0.48	U	ug/L	1	0.48	0.50	2H03001	EPA 8081B	08/03/22 14:32	JJB	Q-01

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
2,4,5,6-TCMX	*0.93*	*1*	*1.00*	*93 %*	*38-142*	*2H03001*	*EPA 8081B*	*08/03/22 14:32*	*JJB*	*Q-01*
Decachlorobiphenyl	*1.0*	*1*	*1.00*	*104 %*	*34-159*	*2H03001*	*EPA 8081B*	*08/03/22 14:32*	*JJB*	*Q-01*

Polychlorinated Biphenyls by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9]^	0.49	U	ug/L	1	0.49	0.50	2H03004	EPA 8082A	08/03/22 12:54	JJB	
PCB-1221 [11104-28-2]^	0.46	U	ug/L	1	0.46	0.50	2H03004	EPA 8082A	08/03/22 12:54	JJB	
PCB-1232 [11141-16-5]^	0.47	U	ug/L	1	0.47	0.50	2H03004	EPA 8082A	08/03/22 12:54	JJB	
PCB-1248 [12672-29-6]^	0.49	U	ug/L	1	0.49	0.50	2H03004	EPA 8082A	08/03/22 12:54	JJB	
PCB-1254 [11097-69-1]^	0.50	U	ug/L	1	0.50	0.50	2H03004	EPA 8082A	08/03/22 12:54	JJB	
PCB-1260 [11096-82-5]^	0.48	U	ug/L	1	0.48	0.50	2H03004	EPA 8082A	08/03/22 12:54	JJB	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
2,4,5,6-TCMX	*1.0*	*1*	*1.00*	*100 %*	*38-142*	*2H03004*	*EPA 8082A*	*08/03/22 12:54*	*JJB*	
Decachlorobiphenyl	*1.1*	*1*	*1.00*	*108 %*	*34-159*	*2H03004*	*EPA 8082A*	*08/03/22 12:54*	*JJB*	

www.encolabs.com

ANALYTICAL RESULTS

Description: MW-7C(D) | **Lab Sample ID:** AF03870-01 | **Received:** 07/26/22 12:20
Matrix: Ground Water | **Sampled:** 07/25/22 12:36 | **Work Order:** AF03870
Project: Citrus Co. LF | **Sampled By:** Royce Gamble

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2,4,5-T [93-76-5]^	0.28	U	ug/L	1	0.28	0.50	2H01035	EPA 8151A	08/04/22 19:07	FCV	
2,4,5-TP (Silvex) [93-72-1]^	0.44	U	ug/L	1	0.44	0.50	2H01035	EPA 8151A	08/04/22 19:07	FCV	
2,4-D [94-75-7]^	0.27	U	ug/L	1	0.27	0.50	2H01035	EPA 8151A	08/04/22 19:07	FCV	
Dinoseb [88-85-7]^	0.32	U	ug/L	1	0.32	0.50	2H01035	EPA 8151A	08/04/22 19:07	FCV	
Pentachlorophenol [87-86-5]^	0.19	U	ug/L	1	0.19	0.50	2H01035	EPA 8151A	08/04/22 19:07	FCV	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*2.1*	*1*	*2.00*	*107 %*	*37-134*	*2H01035*	*EPA 8151A*	*08/04/22 19:07*	*FCV*	

Semivolatile Organic Compounds by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8]^	0.012	U	ug/L	1	0.012	0.020	2G29001	EPA 8011	07/29/22 06:13	FCV	
1,2-Dibromoethane [106-93-4]^	0.010	U	ug/L	1	0.010	0.020	2G29001	EPA 8011	07/29/22 06:13	FCV	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,1,1,2-Tetrachloroethane	*0.25*	*1*	*0.250*	*101 %*	*70-130*	*2G29001*	*EPA 8011*	*07/29/22 06:13*	*FCV*	

Metals by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6]^	0.0230	U	ug/L	1	0.0230	0.200	2G26035	EPA 7470A	07/28/22 09:20	JMA	

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0]^	2.50	U	ug/L	1	2.50	5.00	2G26040	EPA 6020B	07/28/22 13:07	JMA	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	2G26040	EPA 6020B	07/28/22 13:07	JMA	
Barium [7440-39-3]^	50.0	U	ug/L	1	50.0	100	2G26040	EPA 6020B	07/28/22 13:07	JMA	
Beryllium [7440-41-7]^	0.940	U	ug/L	1	0.940	1.00	2G26040	EPA 6020B	07/28/22 13:07	JMA	
Cadmium [7440-43-9]^	2.00	U	ug/L	1	2.00	5.00	2G26040	EPA 6020B	07/28/22 13:07	JMA	
Chromium [7440-47-3]^	5.00	U	ug/L	1	5.00	10.0	2G26040	EPA 6020B	07/28/22 13:07	JMA	
Cobalt [7440-48-4]^	5.00	U	ug/L	1	5.00	10.0	2G26040	EPA 6020B	07/28/22 13:07	JMA	
Copper [7440-50-8]^	2.50	U	ug/L	1	2.50	10.0	2G26040	EPA 6020B	07/28/22 13:07	JMA	
Iron [7439-89-6]^	50.0	U	ug/L	1	50.0	250	2G26040	EPA 6020B	07/28/22 13:07	JMA	
Lead [7439-92-1]^	2.50	U	ug/L	1	2.50	5.00	2G26040	EPA 6020B	07/28/22 13:07	JMA	
Nickel [7440-02-0]^	5.00	U	ug/L	1	5.00	10.0	2G26040	EPA 6020B	07/28/22 13:07	JMA	
Selenium [7782-49-2]^	6.50	U	ug/L	1	6.50	10.0	2G26040	EPA 6020B	07/28/22 13:07	JMA	
Silver [7440-22-4]^	0.500	U	ug/L	1	0.500	1.00	2G26040	EPA 6020B	07/28/22 13:07	JMA	
Sodium [7440-23-5]^	**11.3**		mg/L	1	0.320	1.00	2G26040	EPA 6020B	07/28/22 13:07	JMA	
Thallium [7440-28-0]^	0.600	U	ug/L	1	0.600	1.00	2G26040	EPA 6020B	07/28/22 13:07	JMA	
Tin [7440-31-5]^	5.00	U	ug/L	1	5.00	50.0	2G26040	EPA 6020B	07/28/22 13:07	JMA	
Vanadium [7440-62-2]^	5.00	U	ug/L	1	5.00	10.0	2G26040	EPA 6020B	07/28/22 13:07	JMA	
Zinc [7440-66-6]^	75.0	U	ug/L	1	75.0	200	2G26040	EPA 6020B	07/28/22 13:07	JMA	

www.encolabs.com

ANALYTICAL RESULTS

Description: MW-7C(D) | **Lab Sample ID:** AF03870-01 | **Received:** 07/26/22 12:20

Matrix: Ground Water | **Sampled:** 07/25/22 12:36 | **Work Order:** AF03870

Project: Citrus Co. LF | **Sampled By:** Royce Gamble

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	**0.012**	I	mg/L	1	0.0098	0.020	2G29026	EPA 350.1	08/01/22 09:50	cbarr	
Chloride [16887-00-6]^	**4.1**	I	mg/L	1	0.29	5.0	2G26039	EPA 300.0	07/27/22 06:49	ASR	
Cyanide (total) [57-12-5]^	0.0067	U	mg/L	1	0.0067	0.010	2G27009	SM 4500CN E-2011	07/27/22 13:05	KEB	
Nitrate as N [14797-55-8]^	**0.13**	I	mg/L	1	0.052	1.0	2G26039	EPA 300.0	07/27/22 06:49	ASR	
Sulfide [18496-25-8]	0.45	U	mg/L	1	0.45	1.0	2G27014	SM 4500S2 F-2011	07/27/22 09:42	BAR	
Total Dissolved Solids^	**84**		mg/L	1	10	10	2G28016	SM 2540C-2011	07/29/22 16:30	LAM	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	**113.46**		Ft	1			2H03030	Field	07/25/22 12:36	DMC	
Dissolved Oxygen	**3.61**		mg/L	1	0	0	2H03030	Field	07/25/22 12:36	DMC	
Oxidation/Reduction Potential	**60.1**		mV	1	-999	-999	2H03030	Field	07/25/22 12:36	DMC	
pH	**8.08**		pH Units	1			2H03030	Field	07/25/22 12:36	DMC	
Specific Conductance (EC)	**169**		umhos/cm	1	0	0	2H03030	Field	07/25/22 12:36	DMC	
Temperature	**29.0**		°C	1	0	0	2H03030	Field	07/25/22 12:36	DMC	
Turbidity	**1.51**		NTU	1	0	0	2H03030	Field	07/25/22 12:36	DMC	

ANALYTICAL RESULTS

Description: MW-7C(S) **Lab Sample ID:** AF03870-02 **Received:** 07/26/22 12:20

Matrix: Ground Water **Sampled:** 07/25/22 14:33 **Work Order:** AF03870

Project: Citrus Co. LF **Sampled By:** Royce Gamble

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.61	U	ug/L	1	0.61	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
1,1-Dichloropropene [563-58-6]^	0.74	U	ug/L	1	0.74	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
1,2,3-Trichloropropane [96-18-4]^	0.64	U	ug/L	1	0.64	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
1,2,4-Trichlorobenzene [120-82-1]^	0.70	U	ug/L	1	0.70	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
1,3-Dichloropropane [142-28-9]^	0.60	U	ug/L	1	0.60	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
1,4-Dichlorobenzene [106-46-7]^	**0.84**	I	ug/L	1	0.76	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
2,2-Dichloropropane [594-20-7]^	0.66	U	ug/L	1	0.66	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
2-Butanone [78-93-3]^	4.5	U	ug/L	1	4.5	5.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
2-Hexanone [591-78-6]^	2.5	U	ug/L	1	2.5	5.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
3-Chloropropene [107-05-1]^	1.0	U	ug/L	1	1.0	2.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
4-Methyl-2-pentanone [108-10-1]^	2.5	U	ug/L	1	2.5	5.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
Acetone [67-64-1]^	10	U	ug/L	1	10	20	2G27007	EPA 8260D	07/27/22 18:52	JMW	
Acetonitrile [75-05-8]^	8.5	U	ug/L	1	8.5	10	2G27007	EPA 8260D	07/27/22 18:52	JMW	
Acrolein [107-02-8]^	6.4	U	ug/L	1	6.4	10	2G27007	EPA 8260D	07/27/22 18:52	JMW	
Acrylonitrile [107-13-1]^	5.0	U	ug/L	1	5.0	10	2G27007	EPA 8260D	07/27/22 18:52	JMW	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
Bromochloromethane [74-97-5]^	0.94	U	ug/L	1	0.94	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
Carbon disulfide [75-15-0]^	2.5	U	ug/L	1	2.5	5.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
Chloroform [67-66-3]^	**0.98**	I	ug/L	1	0.80	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
Chloroprene [126-99-8]^	0.66	U	ug/L	1	0.66	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
Dibromochloromethane [124-48-1]^	0.50	U	ug/L	1	0.50	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
Dibromomethane [74-95-3]^	0.84	U	ug/L	1	0.84	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
Ethyl Methacrylate [97-63-2]^	0.54	U	ug/L	1	0.54	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
Hexachlorobutadiene [87-68-3]^	0.70	U	ug/L	1	0.70	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
Iodomethane [74-88-4]^	2.5	U	ug/L	1	2.5	5.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
Isobutyl alcohol [78-83-1]^	14	U	ug/L	1	14	50	2G27007	EPA 8260D	07/27/22 18:52	JMW	QL-02
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	

ANALYTICAL RESULTS

Description: MW-7C(S) | **Lab Sample ID:** AF03870-02 | **Received:** 07/26/22 12:20
Matrix: Ground Water | **Sampled:** 07/25/22 14:33 | **Work Order:** AF03870
Project: Citrus Co. LF | **Sampled By:** Royce Gamble

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methacrylonitrile [126-98-7]^	5.0	U	ug/L	1	5.0	10	2G27007	EPA 8260D	07/27/22 18:52	JMW	
Methyl Methacrylate [80-62-6]^	0.68	U	ug/L	1	0.68	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
Methylene chloride [75-09-2]^	2.5	U	ug/L	1	2.5	5.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
Naphthalene [91-20-3]^	0.82	U	ug/L	1	0.82	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
Propionitrile [107-12-0]^	5.0	U	ug/L	1	5.0	10	2G27007	EPA 8260D	07/27/22 18:52	JMW	
Styrene [100-42-5]^	0.61	U	ug/L	1	0.61	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
trans-1,4-Dichloro-2-butene [110-57-6]^	0.79	U	ug/L	1	0.79	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
Vinyl acetate [108-05-4]^	2.5	U	ug/L	1	2.5	5.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	2G27007	EPA 8260D	07/27/22 18:52	JMW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*102 %*	*41-142*	*2G27007*	*EPA 8260D*	*07/27/22 18:52*	*JMW*	
Dibromofluoromethane	*50*	*1*	*50.0*	*101 %*	*53-146*	*2G27007*	*EPA 8260D*	*07/27/22 18:52*	*JMW*	
Toluene-d8	*49*	*1*	*50.0*	*98 %*	*41-146*	*2G27007*	*EPA 8260D*	*07/27/22 18:52*	*JMW*	

Semivolatile Organic Compounds by GCMS SIM

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2,4,5-Tetrachlorobenzene [95-94-3]^	3.2	U	ug/L	1	3.2	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
1,3,5-Trinitrobenzene [99-35-4]^	5.1	U	ug/L	1	5.1	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
1,3-Dinitrobenzene [99-65-0]^	3.6	U	ug/L	1	3.6	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
1,4-Naphthoquinone [130-15-4]^	4.7	U	ug/L	1	4.7	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
1,4-Phenylenediamine [106-50-3]^	3.3	U	ug/L	1	3.3	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
1-Methylnaphthalene [90-12-0]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/27/22 18:10	jfi	
1-Naphthylamine [134-32-7]^	2.3	U	ug/L	1	2.3	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
2,3,4,6-Tetrachlorophenol [58-90-2]^	3.4	U	ug/L	1	3.4	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
2,4,5-Trichlorophenol [95-95-4]^	3.9	U	ug/L	1	3.9	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	QV-01
2,4,6-Trichlorophenol [88-06-2]^	6.4	U	ug/L	1	6.4	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
2,4-Dichlorophenol [120-83-2]^	6.5	U	ug/L	1	6.5	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
2,4-Dimethylphenol [105-67-9]^	6.4	U	ug/L	1	6.4	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
2,4-Dinitrophenol [51-28-5]^	7.7	U	ug/L	1	7.7	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
2,4-Dinitrotoluene [SIM] [121-14-2]^	0.038	U	ug/L	1	0.038	0.10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
2,6-Dichlorophenol [87-65-0]^	3.8	U	ug/L	1	3.8	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
2,6-Dinitrotoluene [606-20-2]^	2.9	U	ug/L	1	2.9	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
2-Acetylaminofluorene [53-96-3]^	3.9	U	ug/L	1	3.9	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
2-Chloronaphthalene [91-58-7]^	3.2	U	ug/L	1	3.2	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
2-Chlorophenol [95-57-8]^	7.4	U	ug/L	1	7.4	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
2-Methyl-4,6-dinitrophenol [534-52-1]^	6.0	U	ug/L	1	6.0	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
2-Methylnaphthalene [91-57-6]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/27/22 18:10	jfi	

ANALYTICAL RESULTS

Description: MW-7C(S) **Lab Sample ID:** AF03870-02 **Received:** 07/26/22 12:20
Matrix: Ground Water **Sampled:** 07/25/22 14:33 **Work Order:** AF03870
Project: Citrus Co. LF **Sampled By:** Royce Gamble

Semivolatile Organic Compounds by GCMS SIM

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2-Methylphenol [95-48-7]^	3.5	U	ug/L	1	3.5	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
2-Naphthylamine [91-59-8]^	2.3	U	ug/L	1	2.3	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
2-Nitroaniline [88-74-4]^	3.3	U	ug/L	1	3.3	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
2-Nitrophenol [88-75-5]^	5.2	U	ug/L	1	5.2	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
3 & 4-Methylphenol [108-39-4/106-44-5]^	8.2	U	ug/L	1	8.2	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
3,3'-Dichlorobenzidine [91-94-1]^	3.3	U	ug/L	1	3.3	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
3,3'-Dimethylbenzidine [119-93-7]^	3.6	U	ug/L	1	3.6	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
3-Methylcholanthrene [56-49-5]^	3.0	U	ug/L	1	3.0	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
3-Nitroaniline [99-09-2]^	3.3	U	ug/L	1	3.3	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
4-Aminobiphenyl [92-67-1]^	2.6	U	ug/L	1	2.6	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
4-Bromophenyl-phenylether [101-55-3]^	3.3	U	ug/L	1	3.3	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
4-Chloro-3-methylphenol [59-50-7]^	7.3	U	ug/L	1	7.3	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
4-Chloroaniline [106-47-8]^	4.3	U	ug/L	1	4.3	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
4-Chlorophenyl-phenylether [7005-72-3]^	3.2	U	ug/L	1	3.2	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
4-Nitroaniline [100-01-6]^	3.2	U	ug/L	1	3.2	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
4-Nitrophenol [100-02-7]^	7.9	U	ug/L	1	7.9	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
5-Nitro-o-toluidine [99-55-8]^	2.3	U	ug/L	1	2.3	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
7,12-Dimethylbenz(a)anthracene [57-97-6]^	3.3	U	ug/L	1	3.3	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Acenaphthene [83-32-9]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/27/22 18:10	jfi	
Acenaphthylene [208-96-8]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/27/22 18:10	jfi	
Acetophenone [98-86-2]^	3.8	U	ug/L	1	3.8	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Anthracene [120-12-7]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/27/22 18:10	jfi	
Benzo(a)anthracene [56-55-3]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/27/22 18:10	jfi	
Benzo(a)pyrene [50-32-8]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/27/22 18:10	jfi	
Benzo(b)fluoranthene [205-99-2]^	0.059	U	ug/L	1	0.059	0.10	2G27018	EPA 8270E	07/27/22 18:10	jfi	
Benzo(g,h,i)perylene [191-24-2]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/27/22 18:10	jfi	
Benzo(k)fluoranthene [207-08-9]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/27/22 18:10	jfi	
Benzyl alcohol [100-51-6]^	3.9	U	ug/L	1	3.9	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Bis(2-chloroethoxy)methane [111-91-1]^	3.3	U	ug/L	1	3.3	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Bis(2-chloroethyl)ether [111-44-4]^	3.8	U	ug/L	1	3.8	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Bis(2-chloroisopropyl)ether [108-60-1]^	3.5	U	ug/L	1	3.5	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Bis(2-ethylhexyl)phthalate [117-81-7]^	3.5	U	ug/L	1	3.5	5.0	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Butylbenzylphthalate [85-68-7]^	5.1	U	ug/L	1	5.1	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Chlorobenzilate [SIM] [510-15-6]^	0.029	U	ug/L	1	0.029	0.10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Chrysene [218-01-9]^	0.051	U	ug/L	1	0.051	0.10	2G27018	EPA 8270E	07/27/22 18:10	jfi	
Diallate [SIM] [2303-16-4]^	0.030	U	ug/L	1	0.030	0.10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Dibenzo(a,h)anthracene [53-70-3]^	0.052	U	ug/L	1	0.052	0.10	2G27018	EPA 8270E	07/27/22 18:10	jfi	
Dibenzofuran [132-64-9]^	2.8	U	ug/L	1	2.8	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Diethylphthalate [84-66-2]^	3.0	U	ug/L	1	3.0	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Dimethoate [SIM] [60-51-5]^	0.043	U	ug/L	1	0.043	0.10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Dimethylphthalate [131-11-3]^	3.0	U	ug/L	1	3.0	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Di-n-butylphthalate [84-74-2]^	3.2	U	ug/L	1	3.2	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Di-n-octylphthalate [117-84-0]^	3.6	U	ug/L	1	3.6	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Disulfoton [SIM] [298-04-4]^	0.062	U	ug/L	1	0.062	0.10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Ethyl methanesulfonate [62-50-0]^	3.3	U	ug/L	1	3.3	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Famphur [SIM] [52-85-7]^	0.052	U	ug/L	1	0.052	0.10	2H01006	EPA 8270E	08/03/22 18:13	jfi	

ANALYTICAL RESULTS

Description: MW-7C(S) **Lab Sample ID:** AF03870-02 **Received:** 07/26/22 12:20
Matrix: Ground Water **Sampled:** 07/25/22 14:33 **Work Order:** AF03870
Project: Citrus Co. LF **Sampled By:** Royce Gamble

Semivolatile Organic Compounds by GCMS SIM

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Fluoranthene [206-44-0]^	0.051	U	ug/L	1	0.051	0.10	2G27018	EPA 8270E	07/27/22 18:10	jfi	
Fluorene [86-73-7]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/27/22 18:10	jfi	
Hexachlorobenzene [SIM] [118-74-1]^	0.027	U	ug/L	1	0.027	0.10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Hexachlorobutadiene [SIM] [87-68-3]^	0.045	U	ug/L	1	0.045	0.10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Hexachlorocyclopentadiene [77-47-4]^	3.8	U	ug/L	1	3.8	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Hexachloroethane [67-72-1]^	3.0	U	ug/L	1	3.0	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Hexachloropropene [1888-71-7]^	3.3	U	ug/L	1	3.3	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Indeno(1,2,3-cd)pyrene [193-39-5]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/27/22 18:10	jfi	
Isodrin [465-73-6]^	3.0	U	ug/L	1	3.0	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Isophorone [78-59-1]^	4.5	U	ug/L	1	4.5	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Isosafrole [120-58-1]^	2.6	U	ug/L	1	2.6	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Kepone [SIM] [143-50-0]^	3.3	U	ug/L	1	3.3	5.0	2H01006	EPA 8270E	08/03/22 18:13	jfi	QV-01
Methapyrilene [91-80-5]^	3.4	U	ug/L	1	3.4	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Methyl Methanesulfonate [66-27-3]^	3.4	U	ug/L	1	3.4	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Methyl Parathion [SIM] [298-00-0]^	0.061	U	ug/L	1	0.061	0.10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Naphthalene [91-20-3]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/27/22 18:10	jfi	
Nitrobenzene [98-95-3]^	3.2	U	ug/L	1	3.2	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
N-Nitrosodiethylamine [55-18-5]^	3.9	U	ug/L	1	3.9	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
N-Nitrosodimethylamine [62-75-9]^	3.8	U	ug/L	1	3.8	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
N-Nitrosodi-n-butylamine [924-16-3]^	4.5	U	ug/L	1	4.5	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
N-Nitroso-di-n-propylamine [621-64-7]^	4.5	U	ug/L	1	4.5	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4]^	5.4	U	ug/L	1	5.4	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
N-Nitrosomethylethylamine [10595-95-6]^	3.7	U	ug/L	1	3.7	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
N-Nitrosopiperidine [100-75-4]^	3.9	U	ug/L	1	3.9	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
N-Nitrosopyrrolidine [930-55-2]^	4.2	U	ug/L	1	4.2	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
O,O,O-Triethyl phosphorothioate [126-68-1]^	3.5	U	ug/L	1	3.5	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
o-Toluidine [95-53-4]^	3.4	U	ug/L	1	3.4	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Parathion [56-38-2]^	1.2	U	ug/L	1	1.2	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
p-Dimethylaminoazobenzene [60-11-7]^	3.4	U	ug/L	1	3.4	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Pentachlorobenzene [SIM] [608-93-5]^	0.034	U	ug/L	1	0.034	0.10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Pentachloronitrobenzene [SIM] [82-68-8]^	0.047	U	ug/L	1	0.047	0.10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Phenacetin [62-44-2]^	2.7	U	ug/L	1	2.7	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Phenanthrene [85-01-8]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/27/22 18:10	jfi	
Phenol [108-95-2]^	5.6	U	ug/L	1	5.6	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	QL-02
Phorate [SIM] [298-02-2]^	0.070	U	ug/L	1	0.070	0.10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Pronamide [23950-58-5]^	4.3	U	ug/L	1	4.3	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Pyrene [129-00-0]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/27/22 18:10	jfi	
Safrole [94-59-7]^	4.8	U	ug/L	1	4.8	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	
Thionazin [297-97-2]^	2.8	U	ug/L	1	2.8	10	2H01006	EPA 8270E	08/03/22 18:13	jfi	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*36*	*1*	*50.0*	*72 %*	*33-145*	*2H01006*	*EPA 8270E*	*08/03/22 18:13*	*jfi*	
2-Fluorobiphenyl	*43*	*1*	*50.0*	*86 %*	*32-116*	*2H01006*	*EPA 8270E*	*08/03/22 18:13*	*jfi*	
2-Fluorophenol	*23*	*1*	*50.0*	*46 %*	*11-100*	*2H01006*	*EPA 8270E*	*08/03/22 18:13*	*jfi*	
2-Methylnaphthalene-d10	*5.5*	*1*	*5.71*	*96 %*	*50-150*	*2G27018*	*EPA 8270E*	*07/27/22 18:10*	*jfi*	
Fluoranthene-d10	*6.5*	*1*	*5.71*	*114 %*	*50-150*	*2G27018*	*EPA 8270E*	*07/27/22 18:10*	*jfi*	

ANALYTICAL RESULTS

Description: MW-7C(S) **Lab Sample ID:** AF03870-02 **Received:** 07/26/22 12:20
Matrix: Ground Water **Sampled:** 07/25/22 14:33 **Work Order:** AF03870
Project: Citrus Co. LF **Sampled By:** Royce Gamble

Semivolatile Organic Compounds by GCMS SIM

^ - ENCO Orlando certified analyte [NELAC E83182]

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
Nitrobenzene-d5	*36*	*1*	*50.0*	*73 %*	*24-107*	*2H01006*	*EPA 8270E*	*08/03/22 18:13*	*jfi*	
Phenol-d5	*14*	*1*	*50.0*	*27 %*	*10-100*	*2H01006*	*EPA 8270E*	*08/03/22 18:13*	*jfi*	
Terphenyl-d14	*52*	*1*	*50.0*	*105 %*	*52-150*	*2H01006*	*EPA 8270E*	*08/03/22 18:13*	*jfi*	

Organochlorine Pesticides by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8]^	0.020	U	ug/L	1	0.020	0.050	2H03001	EPA 8081B	08/03/22 14:45	JJB	Q-01
4,4'-DDE [72-55-9]^	0.036	U	ug/L	1	0.036	0.050	2H03001	EPA 8081B	08/03/22 14:45	JJB	Q-01
4,4'-DDT [50-29-3]^	0.025	U	ug/L	1	0.025	0.050	2H03001	EPA 8081B	08/03/22 14:45	JJB	Q-01
Aldrin [309-00-2]^	0.032	U	ug/L	1	0.032	0.050	2H03001	EPA 8081B	08/03/22 14:45	JJB	Q-01
alpha-BHC [319-84-6]^	0.026	U	ug/L	1	0.026	0.050	2H03001	EPA 8081B	08/03/22 14:45	JJB	Q-01
beta-BHC [319-85-7]^	0.036	U	ug/L	1	0.036	0.050	2H03001	EPA 8081B	08/03/22 14:45	JJB	Q-01
Chlordane (tech) [12789-03-6]^	0.36	U	ug/L	1	0.36	0.50	2H03001	EPA 8081B	08/03/22 14:45	JJB	Q-01
Chlordane-alpha [5103-71-9]^	0.022	U	ug/L	1	0.022	0.050	2H03001	EPA 8081B	08/03/22 14:45	JJB	Q-01
Chlordane-gamma [5103-74-2]^	0.024	U	ug/L	1	0.024	0.050	2H03001	EPA 8081B	08/03/22 14:45	JJB	Q-01
delta-BHC [319-86-8]^	0.019	U	ug/L	1	0.019	0.050	2H03001	EPA 8081B	08/03/22 14:45	JJB	Q-01
Dieldrin [60-57-1]^	0.017	U	ug/L	1	0.017	0.050	2H03001	EPA 8081B	08/03/22 14:45	JJB	Q-01
Endosulfan I [959-98-8]^	0.016	U	ug/L	1	0.016	0.050	2H03001	EPA 8081B	08/03/22 14:45	JJB	Q-01
Endosulfan II [33213-65-9]^	0.017	U	ug/L	1	0.017	0.050	2H03001	EPA 8081B	08/03/22 14:45	JJB	Q-01
Endosulfan sulfate [1031-07-8]^	0.020	U	ug/L	1	0.020	0.050	2H03001	EPA 8081B	08/03/22 14:45	JJB	Q-01
Endrin [72-20-8]^	0.014	U	ug/L	1	0.014	0.050	2H03001	EPA 8081B	08/03/22 14:45	JJB	Q-01
Endrin aldehyde [7421-93-4]^	0.020	U	ug/L	1	0.020	0.050	2H03001	EPA 8081B	08/03/22 14:45	JJB	Q-01
gamma-BHC [58-89-9]^	0.021	U	ug/L	1	0.021	0.050	2H03001	EPA 8081B	08/03/22 14:45	JJB	Q-01
Heptachlor [76-44-8]^	0.026	U	ug/L	1	0.026	0.050	2H03001	EPA 8081B	08/03/22 14:45	JJB	Q-01
Heptachlor epoxide [1024-57-3]^	0.018	U	ug/L	1	0.018	0.050	2H03001	EPA 8081B	08/03/22 14:45	JJB	Q-01
Methoxychlor [72-43-5]^	0.020	U	ug/L	1	0.020	0.050	2H03001	EPA 8081B	08/03/22 14:45	JJB	Q-01
Toxaphene [8001-35-2]^	0.48	U	ug/L	1	0.48	0.50	2H03001	EPA 8081B	08/03/22 14:45	JJB	Q-01

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
2,4,5,6-TCMX	*1.0*	*1*	*1.00*	*101 %*	*38-142*	*2H03001*	*EPA 8081B*	*08/03/22 14:45*	*JJB*	*Q-01*
Decachlorobiphenyl	*1.2*	*1*	*1.00*	*124 %*	*34-159*	*2H03001*	*EPA 8081B*	*08/03/22 14:45*	*JJB*	*Q-01*

Polychlorinated Biphenyls by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9]^	0.49	U	ug/L	1	0.49	0.50	2H03004	EPA 8082A	08/03/22 13:06	JJB	
PCB-1221 [11104-28-2]^	0.46	U	ug/L	1	0.46	0.50	2H03004	EPA 8082A	08/03/22 13:06	JJB	
PCB-1232 [11141-16-5]^	0.47	U	ug/L	1	0.47	0.50	2H03004	EPA 8082A	08/03/22 13:06	JJB	
PCB-1248 [12672-29-6]^	0.49	U	ug/L	1	0.49	0.50	2H03004	EPA 8082A	08/03/22 13:06	JJB	
PCB-1254 [11097-69-1]^	0.50	U	ug/L	1	0.50	0.50	2H03004	EPA 8082A	08/03/22 13:06	JJB	
PCB-1260 [11096-82-5]^	0.48	U	ug/L	1	0.48	0.50	2H03004	EPA 8082A	08/03/22 13:06	JJB	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
2,4,5,6-TCMX	*0.94*	*1*	*1.00*	*94 %*	*38-142*	*2H03004*	*EPA 8082A*	*08/03/22 13:06*	*JJB*	
Decachlorobiphenyl	*0.96*	*1*	*1.00*	*96 %*	*34-159*	*2H03004*	*EPA 8082A*	*08/03/22 13:06*	*JJB*	

ANALYTICAL RESULTS

Description: MW-7C(S) | **Lab Sample ID:** AF03870-02 | **Received:** 07/26/22 12:20
Matrix: Ground Water | **Sampled:** 07/25/22 14:33 | **Work Order:** AF03870
Project: Citrus Co. LF | **Sampled By:** Royce Gamble

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2,4,5-T [93-76-5]^	0.28	U	ug/L	1	0.28	0.50	2H01035	EPA 8151A	08/04/22 19:32	FCV	
2,4,5-TP (Silvex) [93-72-1]^	0.44	U	ug/L	1	0.44	0.50	2H01035	EPA 8151A	08/04/22 19:32	FCV	
2,4-D [94-75-7]^	0.27	U	ug/L	1	0.27	0.50	2H01035	EPA 8151A	08/04/22 19:32	FCV	
Dinoseb [88-85-7]^	0.32	U	ug/L	1	0.32	0.50	2H01035	EPA 8151A	08/04/22 19:32	FCV	
Pentachlorophenol [87-86-5]^	0.19	U	ug/L	1	0.19	0.50	2H01035	EPA 8151A	08/04/22 19:32	FCV	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*2.4*	*1*	*2.00*	*122 %*	*37-134*	*2H01035*	*EPA 8151A*	*08/04/22 19:32*	*FCV*	

Semivolatile Organic Compounds by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8]^	0.012	U	ug/L	1	0.012	0.020	2G29001	EPA 8011	07/29/22 06:29	FCV	
1,2-Dibromoethane [106-93-4]^	0.010	U	ug/L	1	0.010	0.020	2G29001	EPA 8011	07/29/22 06:29	FCV	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,1,1,2-Tetrachloroethane	*0.26*	*1*	*0.250*	*102 %*	*70-130*	*2G29001*	*EPA 8011*	*07/29/22 06:29*	*FCV*	

Metals by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6]^	**4.45**		ug/L	1	0.0230	0.200	2G26035	EPA 7470A	07/28/22 09:23	JMA	

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0]^	2.50	U	ug/L	1	2.50	5.00	2G26040	EPA 6020B	07/28/22 13:33	JMA	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	2G26040	EPA 6020B	07/28/22 13:33	JMA	
Barium [7440-39-3]^	50.0	U	ug/L	1	50.0	100	2G26040	EPA 6020B	07/28/22 13:33	JMA	
Beryllium [7440-41-7]^	0.940	U	ug/L	1	0.940	1.00	2G26040	EPA 6020B	07/28/22 13:33	JMA	
Cadmium [7440-43-9]^	2.00	U	ug/L	1	2.00	5.00	2G26040	EPA 6020B	07/28/22 13:33	JMA	
Chromium [7440-47-3]^	5.00	U	ug/L	1	5.00	10.0	2G26040	EPA 6020B	07/28/22 13:33	JMA	
Cobalt [7440-48-4]^	5.00	U	ug/L	1	5.00	10.0	2G26040	EPA 6020B	07/28/22 13:33	JMA	
Copper [7440-50-8]^	2.50	U	ug/L	1	2.50	10.0	2G26040	EPA 6020B	07/28/22 13:33	JMA	
Iron [7439-89-6]^	50.0	U	ug/L	1	50.0	250	2G26040	EPA 6020B	07/28/22 13:33	JMA	
Lead [7439-92-1]^	2.50	U	ug/L	1	2.50	5.00	2G26040	EPA 6020B	07/28/22 13:33	JMA	
Nickel [7440-02-0]^	5.00	U	ug/L	1	5.00	10.0	2G26040	EPA 6020B	07/28/22 13:33	JMA	
Selenium [7782-49-2]^	6.50	U	ug/L	1	6.50	10.0	2G26040	EPA 6020B	07/28/22 13:33	JMA	
Silver [7440-22-4]^	0.500	U	ug/L	1	0.500	1.00	2G26040	EPA 6020B	07/28/22 13:33	JMA	
Sodium [7440-23-5]^	**17.5**		mg/L	1	0.320	1.00	2G26040	EPA 6020B	07/28/22 13:33	JMA	
Thallium [7440-28-0]^	0.600	U	ug/L	1	0.600	1.00	2G26040	EPA 6020B	07/28/22 13:33	JMA	
Tin [7440-31-5]^	5.00	U	ug/L	1	5.00	50.0	2G26040	EPA 6020B	07/28/22 13:33	JMA	
Vanadium [7440-62-2]^	5.00	U	ug/L	1	5.00	10.0	2G26040	EPA 6020B	07/28/22 13:33	JMA	
Zinc [7440-66-6]^	75.0	U	ug/L	1	75.0	200	2G26040	EPA 6020B	07/28/22 13:33	JMA	

www.encolabs.com

ANALYTICAL RESULTS

Description: MW-7C(S) **Lab Sample ID:** AF03870-02 **Received:** 07/26/22 12:20

Matrix: Ground Water **Sampled:** 07/25/22 14:33 **Work Order:** AF03870

Project: Citrus Co. LF **Sampled By:** Royce Gamble

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	0.0098	U	mg/L	1	0.0098	0.020	2G29026	EPA 350.1	08/01/22 09:53	cbarr	
Chloride [16887-00-6]^	**6.5**		mg/L	1	0.29	5.0	2G26039	EPA 300.0	07/27/22 07:35	ASR	
Cyanide (total) [57-12-5]^	0.0067	U	mg/L	1	0.0067	0.010	2G27009	SM 4500CN E-2011	07/27/22 13:05	KEB	
Nitrate as N [14797-55-8]^	**0.085**	I	mg/L	1	0.052	1.0	2G26039	EPA 300.0	07/27/22 07:35	ASR	
Sulfide [18496-25-8]	0.45	U	mg/L	1	0.45	1.0	2G27014	SM 4500S2 F-2011	07/27/22 09:42	BAR	
Total Dissolved Solids^	**260**		mg/L	1	10	10	2G28016	SM 2540C-2011	07/29/22 16:30	LAM	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	**117.68**		Ft	1			2H03030	Field	07/25/22 14:33	DMC	
Dissolved Oxygen	**0.15**		mg/L	1	0	0	2H03030	Field	07/25/22 14:33	DMC	
Oxidation/Reduction Potential	**80.6**		mV	1	-999	-999	2H03030	Field	07/25/22 14:33	DMC	
pH	**7.00**		pH Units	1			2H03030	Field	07/25/22 14:33	DMC	
Specific Conductance (EC)	**489**		umhos/cm	1	0	0	2H03030	Field	07/25/22 14:33	DMC	
Temperature	**30.1**		°C	1	0	0	2H03030	Field	07/25/22 14:33	DMC	
Turbidity	**3.31**		NTU	1	0	0	2H03030	Field	07/25/22 14:33	DMC	

ANALYTICAL RESULTS

Description: EQUIPMENT BLANK AP2 | **Lab Sample ID:** AF03870-03 | **Received:** 07/26/22 12:20

Matrix: Ground Water | **Sampled:** 07/25/22 13:05 | **Work Order:** AF03870

Project: Citrus Co. LF | **Sampled By:** Royce Gamble

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.61	U	ug/L	1	0.61	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
1,1-Dichloropropene [563-58-6]^	0.74	U	ug/L	1	0.74	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
1,2,3-Trichloropropane [96-18-4]^	0.64	U	ug/L	1	0.64	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
1,2,4-Trichlorobenzene [120-82-1]^	0.70	U	ug/L	1	0.70	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
1,3-Dichloropropane [142-28-9]^	0.60	U	ug/L	1	0.60	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
2,2-Dichloropropane [594-20-7]^	0.66	U	ug/L	1	0.66	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
2-Butanone [78-93-3]^	4.5	U	ug/L	1	4.5	5.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
2-Hexanone [591-78-6]^	2.5	U	ug/L	1	2.5	5.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	QV-01
3-Chloropropene [107-05-1]^	1.0	U	ug/L	1	1.0	2.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
4-Methyl-2-pentanone [108-10-1]^	2.5	U	ug/L	1	2.5	5.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
Acetone [67-64-1]^	10	U	ug/L	1	10	20	2G27016	EPA 8260D	07/27/22 16:26	JMW	QV-01
Acetonitrile [75-05-8]^	8.5	U	ug/L	1	8.5	10	2G27016	EPA 8260D	07/27/22 16:26	JMW	
Acrolein [107-02-8]^	6.4	U	ug/L	1	6.4	10	2G27016	EPA 8260D	07/27/22 16:26	JMW	
Acrylonitrile [107-13-1]^	5.0	U	ug/L	1	5.0	10	2G27016	EPA 8260D	07/27/22 16:26	JMW	QL-02
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
Bromochloromethane [74-97-5]^	0.94	U	ug/L	1	0.94	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	QV-01
Carbon disulfide [75-15-0]^	2.5	U	ug/L	1	2.5	5.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	QV-01
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
Chloroprene [126-99-8]^	0.66	U	ug/L	1	0.66	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
Dibromochloromethane [124-48-1]^	0.50	U	ug/L	1	0.50	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
Dibromomethane [74-95-3]^	0.84	U	ug/L	1	0.84	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
Ethyl Methacrylate [97-63-2]^	0.54	U	ug/L	1	0.54	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
Hexachlorobutadiene [87-68-3]^	0.70	U	ug/L	1	0.70	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
Iodomethane [74-88-4]^	2.5	U	ug/L	1	2.5	5.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	QL-02
Isobutyl alcohol [78-83-1]^	14	U	ug/L	1	14	50	2G27016	EPA 8260D	07/27/22 16:26	JMW	QL-02
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	

ANALYTICAL RESULTS

Description: EQUIPMENT BLANK AP2 | **Lab Sample ID:** AF03870-03 | **Received:** 07/26/22 12:20
Matrix: Ground Water | **Sampled:** 07/25/22 13:05 | **Work Order:** AF03870
Project: Citrus Co. LF | **Sampled By:** Royce Gamble

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methacrylonitrile [126-98-7]^	5.0	U	ug/L	1	5.0	10	2G27016	EPA 8260D	07/27/22 16:26	JMW	
Methyl Methacrylate [80-62-6]^	0.68	U	ug/L	1	0.68	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
Methylene chloride [75-09-2]^	2.5	U	ug/L	1	2.5	5.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
Naphthalene [91-20-3]^	0.82	U	ug/L	1	0.82	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
Propionitrile [107-12-0]^	5.0	U	ug/L	1	5.0	10	2G27016	EPA 8260D	07/27/22 16:26	JMW	
Styrene [100-42-5]^	0.61	U	ug/L	1	0.61	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
Toluene [108-88-3]^	**0.87**	I	ug/L	1	0.72	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
trans-1,4-Dichloro-2-butene [110-57-6]^	0.79	U	ug/L	1	0.79	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
Vinyl acetate [108-05-4]^	2.5	U	ug/L	1	2.5	5.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	2G27016	EPA 8260D	07/27/22 16:26	JMW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*81 %*	*41-142*	*2G27016*	*EPA 8260D*	*07/27/22 16:26*	*JMW*	
Dibromofluoromethane	*40*	*1*	*50.0*	*79 %*	*53-146*	*2G27016*	*EPA 8260D*	*07/27/22 16:26*	*JMW*	
Toluene-d8	*39*	*1*	*50.0*	*77 %*	*41-146*	*2G27016*	*EPA 8260D*	*07/27/22 16:26*	*JMW*	

Semivolatile Organic Compounds by GCMS SIM

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2,4,5-Tetrachlorobenzene [95-94-3]^	3.2	U	ug/L	1	3.2	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
1,3,5-Trinitrobenzene [99-35-4]^	5.1	U	ug/L	1	5.1	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
1,3-Dinitrobenzene [99-65-0]^	3.6	U	ug/L	1	3.6	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
1,4-Naphthoquinone [130-15-4]^	4.7	U	ug/L	1	4.7	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
1,4-Phenylenediamine [106-50-3]^	3.3	U	ug/L	1	3.3	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
1-Methylnaphthalene [90-12-0]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/29/22 11:49	jfi	
1-Naphthylamine [134-32-7]^	2.3	U	ug/L	1	2.3	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
2,3,4,6-Tetrachlorophenol [58-90-2]^	3.4	U	ug/L	1	3.4	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
2,4,5-Trichlorophenol [95-95-4]^	3.9	U	ug/L	1	3.9	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	QV-01
2,4,6-Trichlorophenol [88-06-2]^	6.4	U	ug/L	1	6.4	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
2,4-Dichlorophenol [120-83-2]^	6.5	U	ug/L	1	6.5	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
2,4-Dimethylphenol [105-67-9]^	6.4	U	ug/L	1	6.4	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
2,4-Dinitrophenol [51-28-5]^	7.7	U	ug/L	1	7.7	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
2,4-Dinitrotoluene [SIM] [121-14-2]^	0.038	U	ug/L	1	0.038	0.10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
2,6-Dichlorophenol [87-65-0]^	3.8	U	ug/L	1	3.8	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
2,6-Dinitrotoluene [606-20-2]^	2.9	U	ug/L	1	2.9	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
2-Acetylaminofluorene [53-96-3]^	3.9	U	ug/L	1	3.9	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
2-Chloronaphthalene [91-58-7]^	3.2	U	ug/L	1	3.2	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
2-Chlorophenol [95-57-8]^	7.4	U	ug/L	1	7.4	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
2-Methyl-4,6-dinitrophenol [534-52-1]^	6.0	U	ug/L	1	6.0	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
2-Methylnaphthalene [91-57-6]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/29/22 11:49	jfi	

ANALYTICAL RESULTS

Description: EQUIPMENT BLANK AP2 | **Lab Sample ID:** AF03870-03 | **Received:** 07/26/22 12:20

Matrix: Ground Water | **Sampled:** 07/25/22 13:05 | **Work Order:** AF03870

Project: Citrus Co. LF | **Sampled By:** Royce Gamble

Semivolatile Organic Compounds by GCMS SIM

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2-Methylphenol [95-48-7]^	3.5	U	ug/L	1	3.5	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
2-Naphthylamine [91-59-8]^	2.3	U	ug/L	1	2.3	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
2-Nitroaniline [88-74-4]^	3.3	U	ug/L	1	3.3	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
2-Nitrophenol [88-75-5]^	5.2	U	ug/L	1	5.2	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
3 & 4-Methylphenol [108-39-4/106-44-5]^	8.2	U	ug/L	1	8.2	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
3,3'-Dichlorobenzidine [91-94-1]^	3.3	U	ug/L	1	3.3	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
3,3'-Dimethylbenzidine [119-93-7]^	3.6	U	ug/L	1	3.6	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
3-Methylcholanthrene [56-49-5]^	3.0	U	ug/L	1	3.0	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
3-Nitroaniline [99-09-2]^	3.3	U	ug/L	1	3.3	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
4-Aminobiphenyl [92-67-1]^	2.6	U	ug/L	1	2.6	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
4-Bromophenyl-phenylether [101-55-3]^	3.3	U	ug/L	1	3.3	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
4-Chloro-3-methylphenol [59-50-7]^	7.3	U	ug/L	1	7.3	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
4-Chloroaniline [106-47-8]^	4.3	U	ug/L	1	4.3	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
4-Chlorophenyl-phenylether [7005-72-3]^	3.2	U	ug/L	1	3.2	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
4-Nitroaniline [100-01-6]^	3.2	U	ug/L	1	3.2	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
4-Nitrophenol [100-02-7]^	7.9	U	ug/L	1	7.9	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
5-Nitro-o-toluidine [99-55-8]^	2.3	U	ug/L	1	2.3	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
7,12-Dimethylbenz(a)anthracene [57-97-6]^	3.3	U	ug/L	1	3.3	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
Acenaphthene [83-32-9]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/29/22 11:49	jfi	
Acenaphthylene [208-96-8]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/29/22 11:49	jfi	
Acetophenone [98-86-2]^	3.8	U	ug/L	1	3.8	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
Anthracene [120-12-7]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/29/22 11:49	jfi	
Benzo(a)anthracene [56-55-3]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/29/22 11:49	jfi	
Benzo(a)pyrene [50-32-8]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/29/22 11:49	jfi	
Benzo(b)fluoranthene [205-99-2]^	0.059	U	ug/L	1	0.059	0.10	2G27018	EPA 8270E	07/29/22 11:49	jfi	
Benzo(g,h,i)perylene [191-24-2]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/29/22 11:49	jfi	
Benzo(k)fluoranthene [207-08-9]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/29/22 11:49	jfi	
Benzyl alcohol [100-51-6]^	3.9	U	ug/L	1	3.9	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
Bis(2-chloroethoxy)methane [111-91-1]^	3.3	U	ug/L	1	3.3	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
Bis(2-chloroethyl)ether [111-44-4]^	3.8	U	ug/L	1	3.8	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
Bis(2-chloroisopropyl)ether [108-60-1]^	3.5	U	ug/L	1	3.5	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
Bis(2-ethylhexyl)phthalate [117-81-7]^	3.5	U	ug/L	1	3.5	5.0	2H01006	EPA 8270E	08/03/22 17:13	jfi	
Butylbenzylphthalate [85-68-7]^	5.1	U	ug/L	1	5.1	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
Chlorobenzilate [SIM] [510-15-6]^	0.029	U	ug/L	1	0.029	0.10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
Chrysene [218-01-9]^	0.051	U	ug/L	1	0.051	0.10	2G27018	EPA 8270E	07/29/22 11:49	jfi	
Diallate [SIM] [2303-16-4]^	0.030	U	ug/L	1	0.030	0.10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
Dibenzo(a,h)anthracene [53-70-3]^	0.052	U	ug/L	1	0.052	0.10	2G27018	EPA 8270E	07/29/22 11:49	jfi	
Dibenzofuran [132-64-9]^	2.8	U	ug/L	1	2.8	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
Diethylphthalate [84-66-2]^	3.0	U	ug/L	1	3.0	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
Dimethoate [SIM] [60-51-5]^	0.043	U	ug/L	1	0.043	0.10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
Dimethylphthalate [131-11-3]^	3.0	U	ug/L	1	3.0	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
Di-n-butylphthalate [84-74-2]^	3.2	U	ug/L	1	3.2	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
Di-n-octylphthalate [117-84-0]^	3.6	U	ug/L	1	3.6	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
Disulfoton [SIM] [298-04-4]^	0.062	U	ug/L	1	0.062	0.10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
Ethyl methanesulfonate [62-50-0]^	3.3	U	ug/L	1	3.3	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
Famphur [SIM] [52-85-7]^	0.052	U	ug/L	1	0.052	0.10	2H01006	EPA 8270E	08/03/22 17:13	jfi	

ANALYTICAL RESULTS

Description: EQUIPMENT BLANK AP2 | **Lab Sample ID:** AF03870-03 | **Received:** 07/26/22 12:20
Matrix: Ground Water | **Sampled:** 07/25/22 13:05 | **Work Order:** AF03870
Project: Citrus Co. LF | **Sampled By:** Royce Gamble

Semivolatile Organic Compounds by GCMS SIM

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Fluoranthene [206-44-0]^	0.051	U	ug/L	1	0.051	0.10	2G27018	EPA 8270E	07/29/22 11:49	jfi	
Fluorene [86-73-7]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/29/22 11:49	jfi	
Hexachlorobenzene [SIM] [118-74-1]^	0.027	U	ug/L	1	0.027	0.10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
Hexachlorobutadiene [SIM] [87-68-3]^	0.045	U	ug/L	1	0.045	0.10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
Hexachlorocyclopentadiene [77-47-4]^	3.8	U	ug/L	1	3.8	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
Hexachloroethane [67-72-1]^	3.0	U	ug/L	1	3.0	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
Hexachloropropene [1888-71-7]^	3.3	U	ug/L	1	3.3	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
Indeno(1,2,3-cd)pyrene [193-39-5]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/29/22 11:49	jfi	
Isodrin [465-73-6]^	3.0	U	ug/L	1	3.0	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
Isophorone [78-59-1]^	4.5	U	ug/L	1	4.5	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
Isosafrole [120-58-1]^	2.6	U	ug/L	1	2.6	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
Kepone [SIM] [143-50-0]^	3.3	U	ug/L	1	3.3	5.0	2H01006	EPA 8270E	08/03/22 17:13	jfi	QV-01
Methapyrilene [91-80-5]^	3.4	U	ug/L	1	3.4	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
Methyl Methanesulfonate [66-27-3]^	3.4	U	ug/L	1	3.4	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
Methyl Parathion [SIM] [298-00-0]^	0.061	U	ug/L	1	0.061	0.10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
Naphthalene [91-20-3]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/29/22 11:49	jfi	
Nitrobenzene [98-95-3]^	3.2	U	ug/L	1	3.2	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
N-Nitrosodiethylamine [55-18-5]^	3.9	U	ug/L	1	3.9	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
N-Nitrosodimethylamine [62-75-9]^	3.8	U	ug/L	1	3.8	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
N-Nitrosodi-n-butylamine [924-16-3]^	4.5	U	ug/L	1	4.5	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
N-Nitroso-di-n-propylamine [621-64-7]^	4.5	U	ug/L	1	4.5	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4]^	5.4	U	ug/L	1	5.4	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
N-Nitrosomethylethylamine [10595-95-6]^	3.7	U	ug/L	1	3.7	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
N-Nitrosopiperidine [100-75-4]^	3.9	U	ug/L	1	3.9	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
N-Nitrosopyrrolidine [930-55-2]^	4.2	U	ug/L	1	4.2	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
O,O,O-Triethyl phosphorothioate [126-68-1]^	3.5	U	ug/L	1	3.5	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
o-Toluidine [95-53-4]^	3.4	U	ug/L	1	3.4	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
Parathion [56-38-2]^	1.2	U	ug/L	1	1.2	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
p-Dimethylaminoazobenzene [60-11-7]^	3.4	U	ug/L	1	3.4	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
Pentachlorobenzene [SIM] [608-93-5]^	0.034	U	ug/L	1	0.034	0.10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
Pentachloronitrobenzene [SIM] [82-68-8]^	0.047	U	ug/L	1	0.047	0.10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
Phenacetin [62-44-2]^	2.7	U	ug/L	1	2.7	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
Phenanthrene [85-01-8]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/29/22 11:49	jfi	
Phenol [108-95-2]^	5.6	U	ug/L	1	5.6	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	QL-02
Phorate [SIM] [298-02-2]^	0.070	U	ug/L	1	0.070	0.10	2H01006	EPA 8270E	08/03/22 17:13	jfi	QV-01
Pronamide [23950-58-5]^	4.3	U	ug/L	1	4.3	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
Pyrene [129-00-0]^	0.050	U	ug/L	1	0.050	0.10	2G27018	EPA 8270E	07/29/22 11:49	jfi	
Safrole [94-59-7]^	4.8	U	ug/L	1	4.8	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	
Thionazin [297-97-2]^	2.8	U	ug/L	1	2.8	10	2H01006	EPA 8270E	08/03/22 17:13	jfi	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*38*	*1*	*50.0*	*75 %*	*33-145*	*2H01006*	*EPA 8270E*	*08/03/22 17:13*	*jfi*	
2-Fluorobiphenyl	*49*	*1*	*50.0*	*99 %*	*32-116*	*2H01006*	*EPA 8270E*	*08/03/22 17:13*	*jfi*	
2-Fluorophenol	*26*	*1*	*50.0*	*51 %*	*11-100*	*2H01006*	*EPA 8270E*	*08/03/22 17:13*	*jfi*	
2-Methylnaphthalene-d10	*5.3*	*1*	*5.71*	*92 %*	*50-150*	*2G27018*	*EPA 8270E*	*07/29/22 11:49*	*jfi*	
Fluoranthene-d10	*6.2*	*1*	*5.71*	*109 %*	*50-150*	*2G27018*	*EPA 8270E*	*07/29/22 11:49*	*jfi*	

ANALYTICAL RESULTS

Description: EQUIPMENT BLANK AP2 | **Lab Sample ID:** AF03870-03 | **Received:** 07/26/22 12:20
Matrix: Ground Water | **Sampled:** 07/25/22 13:05 | **Work Order:** AF03870
Project: Citrus Co. LF | **Sampled By:** Royce Gamble

Semivolatile Organic Compounds by GCMS SIM

^ - ENCO Orlando certified analyte [NELAC E83182]

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
Nitrobenzene-d5	*41*	*1*	*50.0*	*82 %*	*24-107*	*2H01006*	*EPA 8270E*	*08/03/22 17:13*	*jfi*	
Phenol-d5	*15*	*1*	*50.0*	*31 %*	*10-100*	*2H01006*	*EPA 8270E*	*08/03/22 17:13*	*jfi*	
Terphenyl-d14	*59*	*1*	*50.0*	*117 %*	*52-150*	*2H01006*	*EPA 8270E*	*08/03/22 17:13*	*jfi*	

Organochlorine Pesticides by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8]^	0.020	U	ug/L	1	0.020	0.050	2G28001	EPA 8081B	07/29/22 18:51	JJB	
4,4'-DDE [72-55-9]^	0.036	U	ug/L	1	0.036	0.050	2G28001	EPA 8081B	07/29/22 18:51	JJB	
4,4'-DDT [50-29-3]^	0.025	U	ug/L	1	0.025	0.050	2G28001	EPA 8081B	07/29/22 18:51	JJB	
Aldrin [309-00-2]^	0.032	U	ug/L	1	0.032	0.050	2G28001	EPA 8081B	07/29/22 18:51	JJB	
alpha-BHC [319-84-6]^	0.026	U	ug/L	1	0.026	0.050	2G28001	EPA 8081B	07/29/22 18:51	JJB	
beta-BHC [319-85-7]^	0.036	U	ug/L	1	0.036	0.050	2G28001	EPA 8081B	07/29/22 18:51	JJB	
Chlordane (tech) [12789-03-6]^	0.36	U	ug/L	1	0.36	0.50	2G28001	EPA 8081B	07/29/22 18:51	JJB	
Chlordane-alpha [5103-71-9]^	0.022	U	ug/L	1	0.022	0.050	2G28001	EPA 8081B	07/29/22 18:51	JJB	
Chlordane-gamma [5103-74-2]^	0.024	U	ug/L	1	0.024	0.050	2G28001	EPA 8081B	07/29/22 18:51	JJB	
delta-BHC [319-86-8]^	0.019	U	ug/L	1	0.019	0.050	2G28001	EPA 8081B	07/29/22 18:51	JJB	
Dieldrin [60-57-1]^	0.017	U	ug/L	1	0.017	0.050	2G28001	EPA 8081B	07/29/22 18:51	JJB	
Endosulfan I [959-98-8]^	0.016	U	ug/L	1	0.016	0.050	2G28001	EPA 8081B	07/29/22 18:51	JJB	
Endosulfan II [33213-65-9]^	0.017	U	ug/L	1	0.017	0.050	2G28001	EPA 8081B	07/29/22 18:51	JJB	
Endosulfan sulfate [1031-07-8]^	0.020	U	ug/L	1	0.020	0.050	2G28001	EPA 8081B	07/29/22 18:51	JJB	
Endrin [72-20-8]^	0.014	U	ug/L	1	0.014	0.050	2G28001	EPA 8081B	07/29/22 18:51	JJB	
Endrin aldehyde [7421-93-4]^	0.020	U	ug/L	1	0.020	0.050	2G28001	EPA 8081B	07/29/22 18:51	JJB	
gamma-BHC [58-89-9]^	0.021	U	ug/L	1	0.021	0.050	2G28001	EPA 8081B	07/29/22 18:51	JJB	QV-01
Heptachlor [76-44-8]^	0.026	U	ug/L	1	0.026	0.050	2G28001	EPA 8081B	07/29/22 18:51	JJB	QV-01
Heptachlor epoxide [1024-57-3]^	0.018	U	ug/L	1	0.018	0.050	2G28001	EPA 8081B	07/29/22 18:51	JJB	
Methoxychlor [72-43-5]^	0.020	U	ug/L	1	0.020	0.050	2G28001	EPA 8081B	07/29/22 18:51	JJB	
Toxaphene [8001-35-2]^	0.48	U	ug/L	1	0.48	0.50	2G28001	EPA 8081B	07/29/22 18:51	JJB	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
2,4,5,6-TCMX	*1.0*	*1*	*1.00*	*100 %*	*38-142*	*2G28001*	*EPA 8081B*	*07/29/22 18:51*	*JJB*	
Decachlorobiphenyl	*0.62*	*1*	*1.00*	*62 %*	*34-159*	*2G28001*	*EPA 8081B*	*07/29/22 18:51*	*JJB*	

Polychlorinated Biphenyls by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9]^	0.49	U	ug/L	1	0.49	0.50	2H03004	EPA 8082A	08/03/22 13:18	JJB	
PCB-1221 [11104-28-2]^	0.46	U	ug/L	1	0.46	0.50	2H03004	EPA 8082A	08/03/22 13:18	JJB	
PCB-1232 [11141-16-5]^	0.47	U	ug/L	1	0.47	0.50	2H03004	EPA 8082A	08/03/22 13:18	JJB	
PCB-1248 [12672-29-6]^	0.49	U	ug/L	1	0.49	0.50	2H03004	EPA 8082A	08/03/22 13:18	JJB	
PCB-1254 [11097-69-1]^	0.50	U	ug/L	1	0.50	0.50	2H03004	EPA 8082A	08/03/22 13:18	JJB	
PCB-1260 [11096-82-5]^	0.48	U	ug/L	1	0.48	0.50	2H03004	EPA 8082A	08/03/22 13:18	JJB	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
2,4,5,6-TCMX	*0.84*	*1*	*1.00*	*84 %*	*38-142*	*2H03004*	*EPA 8082A*	*08/03/22 13:18*	*JJB*	
Decachlorobiphenyl	*0.53*	*1*	*1.00*	*53 %*	*34-159*	*2H03004*	*EPA 8082A*	*08/03/22 13:18*	*JJB*	

ANALYTICAL RESULTS

Description: EQUIPMENT BLANK AP2 | **Lab Sample ID:** AF03870-03 | **Received:** 07/26/22 12:20
Matrix: Ground Water | **Sampled:** 07/25/22 13:05 | **Work Order:** AF03870
Project: Citrus Co. LF | **Sampled By:** Royce Gamble

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2,4,5-T [93-76-5]^	0.28	U	ug/L	1	0.28	0.50	2H01035	EPA 8151A	08/04/22 19:57	FCV	
2,4,5-TP (Silvex) [93-72-1]^	0.44	U	ug/L	1	0.44	0.50	2H01035	EPA 8151A	08/04/22 19:57	FCV	
2,4-D [94-75-7]^	0.27	U	ug/L	1	0.27	0.50	2H01035	EPA 8151A	08/04/22 19:57	FCV	
Dinoseb [88-85-7]^	0.32	U	ug/L	1	0.32	0.50	2H01035	EPA 8151A	08/04/22 19:57	FCV	
Pentachlorophenol [87-86-5]^	0.19	U	ug/L	1	0.19	0.50	2H01035	EPA 8151A	08/04/22 19:57	FCV	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*2.0*	*1*	*2.00*	*98 %*	*37-134*	*2H01035*	*EPA 8151A*	*08/04/22 19:57*	*FCV*	

Semivolatile Organic Compounds by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8]^	0.012	U	ug/L	1	0.012	0.020	2G29001	EPA 8011	07/29/22 06:45	FCV	
1,2-Dibromoethane [106-93-4]^	0.010	U	ug/L	1	0.010	0.020	2G29001	EPA 8011	07/29/22 06:45	FCV	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,1,1,2-Tetrachloroethane	*0.26*	*1*	*0.250*	*104 %*	*70-130*	*2G29001*	*EPA 8011*	*07/29/22 06:45*	*FCV*	

Metals by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6]^	0.0230	U	ug/L	1	0.0230	0.200	2G26035	EPA 7470A	07/28/22 09:47	JMA	

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0]^	2.50	U	ug/L	1	2.50	5.00	2G26040	EPA 6020B	07/28/22 13:41	JMA	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	2G26040	EPA 6020B	07/28/22 13:41	JMA	
Barium [7440-39-3]^	50.0	U	ug/L	1	50.0	100	2G26040	EPA 6020B	07/28/22 13:41	JMA	
Beryllium [7440-41-7]^	0.940	U	ug/L	1	0.940	1.00	2G26040	EPA 6020B	07/28/22 13:41	JMA	
Cadmium [7440-43-9]^	2.00	U	ug/L	1	2.00	5.00	2G26040	EPA 6020B	07/28/22 13:41	JMA	
Chromium [7440-47-3]^	5.00	U	ug/L	1	5.00	10.0	2G26040	EPA 6020B	07/28/22 13:41	JMA	
Cobalt [7440-48-4]^	5.00	U	ug/L	1	5.00	10.0	2G26040	EPA 6020B	07/28/22 13:41	JMA	
Copper [7440-50-8]^	2.50	U	ug/L	1	2.50	10.0	2G26040	EPA 6020B	07/28/22 13:41	JMA	
Iron [7439-89-6]^	50.0	U	ug/L	1	50.0	250	2G26040	EPA 6020B	07/28/22 13:41	JMA	
Lead [7439-92-1]^	2.50	U	ug/L	1	2.50	5.00	2G26040	EPA 6020B	07/28/22 13:41	JMA	
Nickel [7440-02-0]^	5.00	U	ug/L	1	5.00	10.0	2G26040	EPA 6020B	07/28/22 13:41	JMA	
Selenium [7782-49-2]^	6.50	U	ug/L	1	6.50	10.0	2G26040	EPA 6020B	07/28/22 13:41	JMA	
Silver [7440-22-4]^	0.500	U	ug/L	1	0.500	1.00	2G26040	EPA 6020B	07/28/22 13:41	JMA	
Sodium [7440-23-5]^	0.320	U	mg/L	1	0.320	1.00	2G26040	EPA 6020B	07/28/22 13:41	JMA	
Thallium [7440-28-0]^	0.600	U	ug/L	1	0.600	1.00	2G26040	EPA 6020B	07/28/22 13:41	JMA	
Tin [7440-31-5]^	5.00	U	ug/L	1	5.00	50.0	2G26040	EPA 6020B	07/28/22 13:41	JMA	
Vanadium [7440-62-2]^	5.00	U	ug/L	1	5.00	10.0	2G26040	EPA 6020B	07/28/22 13:41	JMA	
Zinc [7440-66-6]^	75.0	U	ug/L	1	75.0	200	2G26040	EPA 6020B	07/28/22 13:41	JMA	

ANALYTICAL RESULTS

Description: EQUIPMENT BLANK AP2 | **Lab Sample ID:** AF03870-03 | **Received:** 07/26/22 12:20

Matrix: Ground Water | **Sampled:** 07/25/22 13:05 | **Work Order:** AF03870

Project: Citrus Co. LF | **Sampled By:** Royce Gamble

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	0.0098	U	mg/L	1	0.0098	0.020	2G29026	EPA 350.1	08/01/22 09:55	cbarr	
Chloride [16887-00-6]^	0.29	U	mg/L	1	0.29	5.0	2G26039	EPA 300.0	07/27/22 08:22	ASR	
Cyanide (total) [57-12-5]^	0.0067	U	mg/L	1	0.0067	0.010	2G27009	SM 4500CN E-2011	07/27/22 13:05	KEB	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	2G26039	EPA 300.0	07/27/22 08:22	ASR	
Sulfide [18496-25-8]	0.45	U	mg/L	1	0.45	1.0	2G27014	SM 4500S2 F-2011	07/27/22 09:42	BAR	
Total Dissolved Solids^	10	U	mg/L	1	10	10	2G28016	SM 2540C-2011	07/29/22 16:30	LAM	

ANALYTICAL RESULTS

Description: TRIP BLANK 1 | **Lab Sample ID:** AF03870-04 | **Received:** 07/26/22 12:20

Matrix: Water | **Sampled:** 07/25/22 00:00 | **Work Order:** AF03870

Project: Citrus Co. LF | **Sampled By:** Enco ORL

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.61	U	ug/L	1	0.61	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
1,1-Dichloropropene [563-58-6]^	0.74	U	ug/L	1	0.74	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
1,2,3-Trichloropropane [96-18-4]^	0.64	U	ug/L	1	0.64	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
1,2,4-Trichlorobenzene [120-82-1]^	0.70	U	ug/L	1	0.70	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
1,3-Dichloropropane [142-28-9]^	0.60	U	ug/L	1	0.60	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
2,2-Dichloropropane [594-20-7]^	0.66	U	ug/L	1	0.66	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
2-Butanone [78-93-3]^	4.5	U	ug/L	1	4.5	5.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
2-Hexanone [591-78-6]^	2.5	U	ug/L	1	2.5	5.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	QV-01
3-Chloropropene [107-05-1]^	1.0	U	ug/L	1	1.0	2.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
4-Methyl-2-pentanone [108-10-1]^	2.5	U	ug/L	1	2.5	5.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
Acetone [67-64-1]^	10	U	ug/L	1	10	20	2G27016	EPA 8260D	07/27/22 16:55	JMW	QV-01
Acetonitrile [75-05-8]^	8.5	U	ug/L	1	8.5	10	2G27016	EPA 8260D	07/27/22 16:55	JMW	
Acrolein [107-02-8]^	6.4	U	ug/L	1	6.4	10	2G27016	EPA 8260D	07/27/22 16:55	JMW	
Acrylonitrile [107-13-1]^	5.0	U	ug/L	1	5.0	10	2G27016	EPA 8260D	07/27/22 16:55	JMW	QL-02
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
Bromochloromethane [74-97-5]^	0.94	U	ug/L	1	0.94	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	QV-01
Carbon disulfide [75-15-0]^	2.5	U	ug/L	1	2.5	5.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	QV-01
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
Chloroprene [126-99-8]^	0.66	U	ug/L	1	0.66	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
Dibromochloromethane [124-48-1]^	0.50	U	ug/L	1	0.50	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
Dibromomethane [74-95-3]^	0.84	U	ug/L	1	0.84	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
Ethyl Methacrylate [97-63-2]^	0.54	U	ug/L	1	0.54	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
Hexachlorobutadiene [87-68-3]^	0.70	U	ug/L	1	0.70	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
Iodomethane [74-88-4]^	2.5	U	ug/L	1	2.5	5.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	QL-02
Isobutyl alcohol [78-83-1]^	14	U	ug/L	1	14	50	2G27016	EPA 8260D	07/27/22 16:55	JMW	QL-02
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	

ANALYTICAL RESULTS

Description: TRIP BLANK 1 | **Lab Sample ID:** AF03870-04 | **Received:** 07/26/22 12:20

Matrix: Water | **Sampled:** 07/25/22 00:00 | **Work Order:** AF03870

Project: Citrus Co. LF | **Sampled By:** Enco ORL

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methacrylonitrile [126-98-7]^	5.0	U	ug/L	1	5.0	10	2G27016	EPA 8260D	07/27/22 16:55	JMW	
Methyl Methacrylate [80-62-6]^	0.68	U	ug/L	1	0.68	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
Methylene chloride [75-09-2]^	2.5	U	ug/L	1	2.5	5.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
Naphthalene [91-20-3]^	0.82	U	ug/L	1	0.82	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
Propionitrile [107-12-0]^	5.0	U	ug/L	1	5.0	10	2G27016	EPA 8260D	07/27/22 16:55	JMW	
Styrene [100-42-5]^	0.61	U	ug/L	1	0.61	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
trans-1,4-Dichloro-2-butene [110-57-6]^	0.79	U	ug/L	1	0.79	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
Vinyl acetate [108-05-4]^	2.5	U	ug/L	1	2.5	5.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	2G27016	EPA 8260D	07/27/22 16:55	JMW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*83 %*	*41-142*	*2G27016*	*EPA 8260D*	*07/27/22 16:55*	*JMW*	
Dibromofluoromethane	*41*	*1*	*50.0*	*82 %*	*53-146*	*2G27016*	*EPA 8260D*	*07/27/22 16:55*	*JMW*	
Toluene-d8	*40*	*1*	*50.0*	*80 %*	*41-146*	*2G27016*	*EPA 8260D*	*07/27/22 16:55*	*JMW*	

ANALYTICAL RESULTS

Description: TRIP BLANK 2 | **Lab Sample ID:** AF03870-05 | **Received:** 07/26/22 12:20

Matrix: Water | **Sampled:** 07/25/22 00:00 | **Work Order:** AF03870

Project: Citrus Co. LF | **Sampled By:** Enco ORL

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.61	U	ug/L	1	0.61	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
1,1-Dichloropropene [563-58-6]^	0.74	U	ug/L	1	0.74	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
1,2,3-Trichloropropane [96-18-4]^	0.64	U	ug/L	1	0.64	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
1,2,4-Trichlorobenzene [120-82-1]^	0.70	U	ug/L	1	0.70	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
1,3-Dichloropropane [142-28-9]^	0.60	U	ug/L	1	0.60	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
2,2-Dichloropropane [594-20-7]^	0.66	U	ug/L	1	0.66	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
2-Butanone [78-93-3]^	4.5	U	ug/L	1	4.5	5.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
2-Hexanone [591-78-6]^	2.5	U	ug/L	1	2.5	5.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	QV-01
3-Chloropropene [107-05-1]^	1.0	U	ug/L	1	1.0	2.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
4-Methyl-2-pentanone [108-10-1]^	2.5	U	ug/L	1	2.5	5.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
Acetone [67-64-1]^	10	U	ug/L	1	10	20	2G27016	EPA 8260D	07/27/22 17:24	JMW	QV-01
Acetonitrile [75-05-8]^	8.5	U	ug/L	1	8.5	10	2G27016	EPA 8260D	07/27/22 17:24	JMW	
Acrolein [107-02-8]^	6.4	U	ug/L	1	6.4	10	2G27016	EPA 8260D	07/27/22 17:24	JMW	
Acrylonitrile [107-13-1]^	5.0	U	ug/L	1	5.0	10	2G27016	EPA 8260D	07/27/22 17:24	JMW	QL-02
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
Bromochloromethane [74-97-5]^	0.94	U	ug/L	1	0.94	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	QV-01
Carbon disulfide [75-15-0]^	2.5	U	ug/L	1	2.5	5.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	QV-01
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
Chloroprene [126-99-8]^	0.66	U	ug/L	1	0.66	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
Dibromochloromethane [124-48-1]^	0.50	U	ug/L	1	0.50	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
Dibromomethane [74-95-3]^	0.84	U	ug/L	1	0.84	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
Ethyl Methacrylate [97-63-2]^	0.54	U	ug/L	1	0.54	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
Hexachlorobutadiene [87-68-3]^	0.70	U	ug/L	1	0.70	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
Iodomethane [74-88-4]^	2.5	U	ug/L	1	2.5	5.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	QL-02
Isobutyl alcohol [78-83-1]^	14	U	ug/L	1	14	50	2G27016	EPA 8260D	07/27/22 17:24	JMW	QL-02
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	

ANALYTICAL RESULTS

Description: TRIP BLANK 2 | **Lab Sample ID:** AF03870-05 | **Received:** 07/26/22 12:20

Matrix: Water | **Sampled:** 07/25/22 00:00 | **Work Order:** AF03870

Project: Citrus Co. LF | **Sampled By:** Enco ORL

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methacrylonitrile [126-98-7]^	5.0	U	ug/L	1	5.0	10	2G27016	EPA 8260D	07/27/22 17:24	JMW	
Methyl Methacrylate [80-62-6]^	0.68	U	ug/L	1	0.68	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
Methylene chloride [75-09-2]^	2.5	U	ug/L	1	2.5	5.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
Naphthalene [91-20-3]^	0.82	U	ug/L	1	0.82	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
Propionitrile [107-12-0]^	5.0	U	ug/L	1	5.0	10	2G27016	EPA 8260D	07/27/22 17:24	JMW	
Styrene [100-42-5]^	0.61	U	ug/L	1	0.61	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
trans-1,4-Dichloro-2-butene [110-57-6]^	0.79	U	ug/L	1	0.79	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
Vinyl acetate [108-05-4]^	2.5	U	ug/L	1	2.5	5.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	2G27016	EPA 8260D	07/27/22 17:24	JMW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*82 %*	*41-142*	*2G27016*	*EPA 8260D*	*07/27/22 17:24*	*JMW*	
Dibromofluoromethane	*40*	*1*	*50.0*	*81 %*	*53-146*	*2G27016*	*EPA 8260D*	*07/27/22 17:24*	*JMW*	
Toluene-d8	*39*	*1*	*50.0*	*79 %*	*41-146*	*2G27016*	*EPA 8260D*	*07/27/22 17:24*	*JMW*	

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 2G27007 - EPA 5030B_MS

Blank (2G27007-BLK1) Prepared: 07/27/2022 00:00 Analyzed: 07/27/2022 10:03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.61	U	1.0	ug/L							
1,1,1-Trichloroethane	0.80	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.54	U	1.0	ug/L							
1,1,2-Trichloroethane	0.76	U	1.0	ug/L							
1,1-Dichloroethane	0.62	U	1.0	ug/L							
1,1-Dichloroethene	0.94	U	1.0	ug/L							
1,1-Dichloropropene	0.74	U	1.0	ug/L							
1,2,3-Trichloropropane	0.64	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.70	U	1.0	ug/L							
1,2-Dichlorobenzene	0.73	U	1.0	ug/L							
1,2-Dichloroethane	0.63	U	1.0	ug/L							
1,2-Dichloropropane	0.80	U	1.0	ug/L							
1,3-Dichlorobenzene	0.77	U	1.0	ug/L							
1,3-Dichloropropane	0.60	U	1.0	ug/L							
1,4-Dichlorobenzene	0.76	U	1.0	ug/L							
2,2-Dichloropropane	0.66	U	1.0	ug/L							
2-Butanone	4.5	U	5.0	ug/L							
2-Hexanone	2.5	U	5.0	ug/L							
3-Chloropropene	1.0	U	2.0	ug/L							
4-Methyl-2-pentanone	2.5	U	5.0	ug/L							
Acetone	10	U	20	ug/L							
Acetonitrile	8.5	U	10	ug/L							
Acrolein	6.4	U	10	ug/L							
Acrylonitrile	5.0	U	10	ug/L							
Benzene	0.71	U	1.0	ug/L							
Bromochloromethane	0.94	U	1.0	ug/L							
Bromodichloromethane	0.52	U	1.0	ug/L							
Bromoform	0.75	U	1.0	ug/L							
Bromomethane	0.95	U	1.0	ug/L							
Carbon disulfide	2.5	U	5.0	ug/L							
Carbon tetrachloride	0.94	U	1.0	ug/L							
Chlorobenzene	0.72	U	1.0	ug/L							
Chloroethane	0.98	U	1.0	ug/L							
Chloroform	0.80	U	1.0	ug/L							
Chloromethane	0.82	U	1.0	ug/L							
Chloroprene	0.66	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.53	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.59	U	1.0	ug/L							
Dibromochloromethane	0.50	U	1.0	ug/L							
Dibromomethane	0.84	U	1.0	ug/L							
Dichlorodifluoromethane	0.74	U	1.0	ug/L							
Ethyl Methacrylate	0.54	U	1.0	ug/L							
Ethylbenzene	0.69	U	1.0	ug/L							
Hexachlorobutadiene	0.70	U	1.0	ug/L							
Iodomethane	2.5	U	5.0	ug/L							
Isobutyl alcohol	14	U	50	ug/L							
m,p-Xylenes	1.3	U	2.0	ug/L							
Methacrylonitrile	5.0	U	10	ug/L							
Methyl Methacrylate	0.68	U	1.0	ug/L							

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 2G27007 - EPA 5030B_MS - Continued

Blank (2G27007-BLK1) Continued Prepared: 07/27/2022 00:00 Analyzed: 07/27/2022 10:03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Methylene chloride	2.5	U	5.0	ug/L							
Naphthalene	0.82	U	1.0	ug/L							
o-Xylene	0.53	U	1.0	ug/L							
Propionitrile	5.0	U	10	ug/L							
Styrene	0.61	U	1.0	ug/L							
Tetrachloroethene	0.76	U	1.0	ug/L							
Toluene	0.72	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.73	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.73	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.79	U	1.0	ug/L							
Trichloroethene	0.89	U	1.0	ug/L							
Trichlorofluoromethane	0.94	U	1.0	ug/L							
Vinyl acetate	2.5	U	5.0	ug/L							
Vinyl chloride	0.71	U	1.0	ug/L							
Xylenes (Total)	1.3	U	2.0	ug/L							
4-Bromofluorobenzene	*54*			*ug/L*	*50.0*		*109*	*41-142*			
Dibromofluoromethane	*49*			*ug/L*	*50.0*		*98*	*53-146*			
Toluene-d8	*51*			*ug/L*	*50.0*		*101*	*41-146*			

LCS (2G27007-BS1) Prepared: 07/27/2022 00:00 Analyzed: 07/27/2022 08:13

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0		102	47-139			
Benzene	20		1.0	ug/L	20.0		100	56-136			
Chlorobenzene	21		1.0	ug/L	20.0		104	51-139			
Toluene	22		1.0	ug/L	20.0		109	64-131			
Trichloroethene	21		1.0	ug/L	20.0		103	62-135			
4-Bromofluorobenzene	*51*			*ug/L*	*50.0*		*103*	*41-142*			
Dibromofluoromethane	*49*			*ug/L*	*50.0*		*97*	*53-146*			
Toluene-d8	*50*			*ug/L*	*50.0*		*99*	*41-146*			

Matrix Spike (2G27007-MS1) Prepared: 07/27/2022 00:00 Analyzed: 07/27/2022 08:40

Source: AF05545-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	24		1.0	ug/L	20.0	0.94 U	119	47-139			
Benzene	22		1.0	ug/L	20.0	0.71 U	109	56-136			
Chlorobenzene	22		1.0	ug/L	20.0	0.72 U	109	51-139			
Toluene	23		1.0	ug/L	20.0	0.72 U	114	64-131			
Trichloroethene	24		1.0	ug/L	20.0	0.89 U	119	62-135			
4-Bromofluorobenzene	*53*			*ug/L*	*50.0*		*106*	*41-142*			
Dibromofluoromethane	*49*			*ug/L*	*50.0*		*98*	*53-146*			
Toluene-d8	*50*			*ug/L*	*50.0*		*100*	*41-146*			

Matrix Spike Dup (2G27007-MSD1) Prepared: 07/27/2022 00:00 Analyzed: 07/27/2022 09:08

Source: AF05545-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	23		1.0	ug/L	20.0	0.94 U	117	47-139	2	16	

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 2G27007 - EPA 5030B_MS - Continued

Matrix Spike Dup (2G27007-MSD1) Continued Prepared: 07/27/2022 00:00 Analyzed: 07/27/2022 09:08

Source: AF05545-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Benzene	21		1.0	ug/L	20.0	0.71 U	107	56-136	3	14	
Chlorobenzene	22		1.0	ug/L	20.0	0.72 U	108	51-139	0.6	13	
Toluene	23		1.0	ug/L	20.0	0.72 U	113	64-131	0.5	16	
Trichloroethene	23		1.0	ug/L	20.0	0.89 U	114	62-135	4	20	
4-Bromofluorobenzene	*53*			*ug/L*	*50.0*		*106*	*41-142*			
Dibromofluoromethane	*50*			*ug/L*	*50.0*		*100*	*53-146*			
Toluene-d8	*49*			*ug/L*	*50.0*		*98*	*41-146*			

Batch 2G27016 - EPA 5030B_MS

Blank (2G27016-BLK1) Prepared: 07/27/2022 00:00 Analyzed: 07/27/2022 14:02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.61	U	1.0	ug/L							
1,1,1-Trichloroethane	0.80	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.54	U	1.0	ug/L							
1,1,2-Trichloroethane	0.76	U	1.0	ug/L							
1,1-Dichloroethane	0.62	U	1.0	ug/L							
1,1-Dichloroethene	0.94	U	1.0	ug/L							
1,1-Dichloropropene	0.74	U	1.0	ug/L							
1,2,3-Trichloropropane	0.64	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.70	U	1.0	ug/L							
1,2-Dichlorobenzene	0.73	U	1.0	ug/L							
1,2-Dichloroethane	0.63	U	1.0	ug/L							
1,2-Dichloropropane	0.80	U	1.0	ug/L							
1,3-Dichlorobenzene	0.77	U	1.0	ug/L							
1,3-Dichloropropane	0.60	U	1.0	ug/L							
1,4-Dichlorobenzene	0.76	U	1.0	ug/L							
2,2-Dichloropropane	0.66	U	1.0	ug/L							
2-Butanone	4.5	U	5.0	ug/L							
2-Hexanone	2.5	U	5.0	ug/L							
3-Chloropropene	1.0	U	2.0	ug/L							
4-Methyl-2-pentanone	2.5	U	5.0	ug/L							
Acetone	10	U	20	ug/L							
Acetonitrile	8.5	U	10	ug/L							
Acrolein	6.4	U	10	ug/L							
Acrylonitrile	5.0	U	10	ug/L							
Benzene	0.71	U	1.0	ug/L							
Bromochloromethane	0.94	U	1.0	ug/L							
Bromodichloromethane	0.52	U	1.0	ug/L							
Bromoform	0.75	U	1.0	ug/L							
Bromomethane	0.95	U	1.0	ug/L							
Carbon disulfide	2.5	U	5.0	ug/L							
Carbon tetrachloride	0.94	U	1.0	ug/L							
Chlorobenzene	0.72	U	1.0	ug/L							
Chloroethane	0.98	U	1.0	ug/L							
Chloroform	0.80	U	1.0	ug/L							
Chloromethane	0.82	U	1.0	ug/L							
Chloroprene	0.66	U	1.0	ug/L							

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 2G27016 - EPA 5030B_MS - Continued

Blank (2G27016-BLK1) Continued Prepared: 07/27/2022 00:00 Analyzed: 07/27/2022 14:02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
cis-1,2-Dichloroethene	0.53	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.59	U	1.0	ug/L							
Dibromochloromethane	0.50	U	1.0	ug/L							
Dibromomethane	0.84	U	1.0	ug/L							
Dichlorodifluoromethane	0.74	U	1.0	ug/L							
Ethyl Methacrylate	0.54	U	1.0	ug/L							
Ethylbenzene	0.69	U	1.0	ug/L							
Hexachlorobutadiene	0.70	U	1.0	ug/L							
Iodomethane	2.5	U	5.0	ug/L							
Isobutyl alcohol	14	U	50	ug/L							
m,p-Xylenes	1.3	U	2.0	ug/L							
Methacrylonitrile	5.0	U	10	ug/L							
Methyl Methacrylate	0.68	U	1.0	ug/L							
Methylene chloride	2.5	U	5.0	ug/L							
Naphthalene	0.82	U	1.0	ug/L							
o-Xylene	0.53	U	1.0	ug/L							
Propionitrile	5.0	U	10	ug/L							
Styrene	0.61	U	1.0	ug/L							
Tetrachloroethene	0.76	U	1.0	ug/L							
Toluene	0.72	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.73	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.73	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.79	U	1.0	ug/L							
Trichloroethene	0.89	U	1.0	ug/L							
Trichlorofluoromethane	0.94	U	1.0	ug/L							
Vinyl acetate	2.5	U	5.0	ug/L							
Vinyl chloride	0.71	U	1.0	ug/L							
Xylenes (Total)	1.3	U	2.0	ug/L							
4-Bromofluorobenzene	*40*			*ug/L*	*50.0*		*79*	*41-142*			
Dibromofluoromethane	*39*			*ug/L*	*50.0*		*78*	*53-146*			
Toluene-d8	*37*			*ug/L*	*50.0*		*75*	*41-146*			

LCS (2G27016-BS1) Prepared: 07/27/2022 00:00 Analyzed: 07/27/2022 11:38

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0		92	47-139			
Benzene	21		1.0	ug/L	20.0		107	56-136			
Chlorobenzene	21		1.0	ug/L	20.0		104	51-139			
Toluene	20		1.0	ug/L	20.0		102	64-131			
Trichloroethene	18		1.0	ug/L	20.0		91	62-135			
4-Bromofluorobenzene	*42*			*ug/L*	*50.0*		*84*	*41-142*			
Dibromofluoromethane	*40*			*ug/L*	*50.0*		*79*	*53-146*			
Toluene-d8	*40*			*ug/L*	*50.0*		*80*	*41-146*			

Matrix Spike (2G27016-MS1) Prepared: 07/27/2022 00:00 Analyzed: 07/27/2022 12:07

Source: AF05171-08

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.94 U	102	47-139			

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 2G27016 - EPA 5030B_MS - Continued

Matrix Spike (2G27016-MS1) Continued Prepared: 07/27/2022 00:00 Analyzed: 07/27/2022 12:07

Source: AF05171-08

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Benzene	23		1.0	ug/L	20.0	0.71 U	114	56-136			
Chlorobenzene	22		1.0	ug/L	20.0	0.72 U	110	51-139			
Toluene	22		1.0	ug/L	20.0	0.72 U	108	64-131			
Trichloroethene	19		1.0	ug/L	20.0	0.89 U	97	62-135			
4-Bromofluorobenzene	*42*			*ug/L*	*50.0*		*84*	*41-142*			
Dibromofluoromethane	*40*			*ug/L*	*50.0*		*80*	*53-146*			
Toluene-d8	*39*			*ug/L*	*50.0*		*78*	*41-146*			

Matrix Spike Dup (2G27016-MSD1) Prepared: 07/27/2022 00:00 Analyzed: 07/27/2022 12:36

Source: AF05171-08

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.94 U	98	47-139	4	16	
Benzene	22		1.0	ug/L	20.0	0.71 U	111	56-136	2	14	
Chlorobenzene	21		1.0	ug/L	20.0	0.72 U	107	51-139	3	13	
Toluene	21		1.0	ug/L	20.0	0.72 U	104	64-131	4	16	
Trichloroethene	19		1.0	ug/L	20.0	0.89 U	94	62-135	3	20	
4-Bromofluorobenzene	*41*			*ug/L*	*50.0*		*81*	*41-142*			
Dibromofluoromethane	*39*			*ug/L*	*50.0*		*78*	*53-146*			
Toluene-d8	*38*			*ug/L*	*50.0*		*76*	*41-146*			

Semivolatile Organic Compounds by GCMS SIM - Quality Control

Batch 2G27018 - EPA 3511_MS

Blank (2G27018-BLK1) Prepared: 07/27/2022 11:10 Analyzed: 07/27/2022 14:58

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1-Methylnaphthalene	0.050	U	0.10	ug/L							
2-Methylnaphthalene	0.050	U	0.10	ug/L							
Acenaphthene	0.050	U	0.10	ug/L							
Acenaphthylene	0.050	U	0.10	ug/L							
Anthracene	0.050	U	0.10	ug/L							
Benzo(a)anthracene	0.050	U	0.10	ug/L							
Benzo(a)pyrene	0.050	U	0.10	ug/L							
Benzo(b)fluoranthene	0.059	U	0.10	ug/L							
Benzo(g,h,i)perylene	0.050	U	0.10	ug/L							
Benzo(k)fluoranthene	0.050	U	0.10	ug/L							
Chrysene	0.051	U	0.10	ug/L							
Dibenzo(a,h)anthracene	0.052	U	0.10	ug/L							
Fluoranthene	0.051	U	0.10	ug/L							
Fluorene	0.050	U	0.10	ug/L							
Indeno(1,2,3-cd)pyrene	0.050	U	0.10	ug/L							
Naphthalene	0.050	U	0.10	ug/L							
Phenanthrene	0.050	U	0.10	ug/L							
Pyrene	0.050	U	0.10	ug/L							
2-Methylnaphthalene-d10	*5.5*			*ug/L*	*5.71*		*96*	*50-150*			
Fluoranthene-d10	*6.5*			*ug/L*	*5.71*		*113*	*50-150*			

QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS SIM - Quality Control

Batch 2G27018 - EPA 3511_MS - Continued

LCS (2G27018-BS1) Prepared: 07/27/2022 11:10 Analyzed: 07/27/2022 15:20

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Acenaphthene	6.2		0.10	ug/L	5.71		109	80-120			
Benzo(a)pyrene	5.8		0.10	ug/L	5.71		101	73-149			
Benzo(g,h,i)perylene	5.3		0.10	ug/L	5.71		92	57-124			
Naphthalene	5.6		0.10	ug/L	5.71		98	68-120			
2-Methylnaphthalene-d10	*5.7*			*ug/L*	*5.71*		*100*	*50-150*			
Fluoranthene-d10	*6.5*			*ug/L*	*5.71*		*114*	*50-150*			

Matrix Spike (2G27018-MS1) Prepared: 07/27/2022 11:10 Analyzed: 07/27/2022 15:41

Source: AF05510-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Acenaphthene	5.9		0.10	ug/L	5.71	0.050 U	103	80-120			
Benzo(a)pyrene	5.1		0.10	ug/L	5.71	0.050 U	89	73-149			
Benzo(g,h,i)perylene	4.7		0.10	ug/L	5.71	0.050 U	83	57-124			
Naphthalene	5.1		0.10	ug/L	5.71	0.050 U	90	68-120			
2-Methylnaphthalene-d10	*5.6*			*ug/L*	*5.71*		*97*	*50-150*			
Fluoranthene-d10	*6.6*			*ug/L*	*5.71*		*115*	*50-150*			

Matrix Spike Dup (2G27018-MSD1) Prepared: 07/27/2022 11:10 Analyzed: 07/27/2022 16:02

Source: AF05510-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Acenaphthene	5.6		0.10	ug/L	5.71	0.050 U	99	80-120	4	25	
Benzo(a)pyrene	5.2		0.10	ug/L	5.71	0.050 U	91	73-149	3	25	
Benzo(g,h,i)perylene	4.7		0.10	ug/L	5.71	0.050 U	83	57-124	0.1	25	
Naphthalene	4.8		0.10	ug/L	5.71	0.050 U	84	68-120	6	25	
2-Methylnaphthalene-d10	*5.6*			*ug/L*	*5.71*		*97*	*50-150*			
Fluoranthene-d10	*6.6*			*ug/L*	*5.71*		*115*	*50-150*			

Batch 2H01006 - EPA 3510C_MS

Blank (2H01006-BLK1) Prepared: 08/01/2022 07:45 Analyzed: 08/02/2022 12:45

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4,5-Tetrachlorobenzene	3.2	U	10	ug/L							
1,3,5-Trinitrobenzene	5.1	U	10	ug/L							
1,3-Dinitrobenzene	3.6	U	10	ug/L							
1,4-Naphthoquinone	4.7	U	10	ug/L							
1,4-Phenylenediamine	3.3	U	10	ug/L							
1-Naphthylamine	2.3	U	10	ug/L							
2,3,4,6-Tetrachlorophenol	3.4	U	10	ug/L							
2,4,5-Trichlorophenol	3.9	U	10	ug/L							
2,4,6-Trichlorophenol	6.4	U	10	ug/L							
2,4-Dichlorophenol	6.5	U	10	ug/L							
2,4-Dimethylphenol	6.4	U	10	ug/L							
2,4-Dinitrophenol	7.7	U	10	ug/L							
2,4-Dinitrotoluene [SIM]	0.038	U	0.10	ug/L							
2,6-Dichlorophenol	3.8	U	10	ug/L							
2,6-Dinitrotoluene	2.9	U	10	ug/L							
2-Acetylaminofluorene	3.9	U	10	ug/L							

QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS SIM - Quality Control

Batch 2H01006 - EPA 3510C_MS - Continued

Blank (2H01006-BLK1) Continued Prepared: 08/01/2022 07:45 Analyzed: 08/02/2022 12:45

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chloronaphthalene	3.2	U	10	ug/L							
2-Chlorophenol	7.4	U	10	ug/L							
2-Methyl-4,6-dinitrophenol	6.0	U	10	ug/L							
2-Methylphenol	3.5	U	10	ug/L							
2-Naphthylamine	2.3	U	10	ug/L							
2-Nitroaniline	3.3	U	10	ug/L							
2-Nitrophenol	5.2	U	10	ug/L							
3 & 4-Methylphenol	8.2	U	10	ug/L							
3,3'-Dichlorobenzidine	3.3	U	10	ug/L							
3,3'-Dimethylbenzidine	3.6	U	10	ug/L							
3-Methylcholanthrene	3.0	U	10	ug/L							
3-Nitroaniline	3.3	U	10	ug/L							
4-Aminobiphenyl	2.6	U	10	ug/L							
4-Bromophenyl-phenylether	3.3	U	10	ug/L							
4-Chloro-3-methylphenol	7.3	U	10	ug/L							
4-Chloroaniline	4.3	U	10	ug/L							
4-Chlorophenyl-phenylether	3.2	U	10	ug/L							
4-Nitroaniline	3.2	U	10	ug/L							
4-Nitrophenol	7.9	U	10	ug/L							
5-Nitro-o-toluidine	2.3	U	10	ug/L							
7,12-Dimethylbenz(a)anthracene	3.3	U	10	ug/L							
Acetophenone	3.8	U	10	ug/L							
Benzyl alcohol	3.9	U	10	ug/L							
Bis(2-chloroethoxy)methane	3.3	U	10	ug/L							
Bis(2-chloroethyl)ether	3.8	U	10	ug/L							
Bis(2-chloroisopropyl)ether	3.5	U	10	ug/L							
Bis(2-ethylhexyl)phthalate	3.5	U	5.0	ug/L							
Butylbenzylphthalate	5.1	U	10	ug/L							
Chlorobenzilate [SIM]	0.029	U	0.10	ug/L							
Diallate [SIM]	0.030	U	0.10	ug/L							
Dibenzofuran	2.8	U	10	ug/L							
Diethylphthalate	3.0	U	10	ug/L							
Dimethoate [SIM]	0.043	U	0.10	ug/L							
Dimethylphthalate	3.0	U	10	ug/L							
Di-n-butylphthalate	3.2	U	10	ug/L							
Di-n-octylphthalate	3.6	U	10	ug/L							
Disulfoton [SIM]	0.062	U	0.10	ug/L							
Ethyl methanesulfonate	3.3	U	10	ug/L							
Famphur [SIM]	0.052	U	0.10	ug/L							
Hexachlorobenzene [SIM]	0.027	U	0.10	ug/L							
Hexachlorobutadiene [SIM]	0.045	U	0.10	ug/L							
Hexachlorocyclopentadiene	3.8	U	10	ug/L							
Hexachloroethane	3.0	U	10	ug/L							
Hexachloropropene	3.3	U	10	ug/L							
Isodrin	3.0	U	10	ug/L							
Isophorone	4.5	U	10	ug/L							
Isosafrole	2.6	U	10	ug/L							
Kepone [SIM]	3.3	U	5.0	ug/L							
Methapyrilene	3.4	U	10	ug/L							

QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS SIM - Quality Control

Batch 2H01006 - EPA 3510C_MS - Continued

Blank (2H01006-BLK1) Continued Prepared: 08/01/2022 07:45 Analyzed: 08/02/2022 12:45

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Methyl Methanesulfonate	3.4	U	10	ug/L							
Methyl Parathion [SIM]	0.061	U	0.10	ug/L							
Nitrobenzene	3.2	U	10	ug/L							
N-Nitrosodiethylamine	3.9	U	10	ug/L							
N-Nitrosodimethylamine	3.8	U	10	ug/L							
N-Nitrosodi-n-butylamine	4.5	U	10	ug/L							
N-Nitroso-di-n-propylamine	4.5	U	10	ug/L							
N-nitrosodiphenylamine/Diphenylamine	5.4	U	10	ug/L							
N-Nitrosomethylethylamine	3.7	U	10	ug/L							
N-Nitrosopiperidine	3.9	U	10	ug/L							
N-Nitrosopyrrolidine	4.2	U	10	ug/L							
O,O,O-Triethyl phosphorothioate	3.5	U	10	ug/L							
o-Toluidine	3.4	U	10	ug/L							
Parathion	1.2	U	10	ug/L							
p-Dimethylaminoazobenzene	3.4	U	10	ug/L							
Pentachlorobenzene [SIM]	0.034	U	0.10	ug/L							
Pentachloronitrobenzene [SIM]	0.047	U	0.10	ug/L							
Phenacetin	2.7	U	10	ug/L							
Phenol	5.6	U	10	ug/L							
Phorate [SIM]	0.070	U	0.10	ug/L							
Pronamide	4.3	U	10	ug/L							
Safrole	4.8	U	10	ug/L							
Thionazin	2.8	U	10	ug/L							
2,4,6-Tribromophenol	*40*			*ug/L*	*50.0*		*79*	*33-145*			
2-Fluorobiphenyl	*53*			*ug/L*	*50.0*		*106*	*32-116*			
2-Fluorophenol	*34*			*ug/L*	*50.0*		*68*	*11-100*			
Nitrobenzene-d5	*50*			*ug/L*	*50.0*		*100*	*24-107*			
Phenol-d5	*21*			*ug/L*	*50.0*		*41*	*10-100*			
Terphenyl-d14	*59*			*ug/L*	*50.0*		*117*	*52-150*			

LCS (2H01006-BS1) Prepared: 08/01/2022 07:45 Analyzed: 08/02/2022 15:14

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4-Dinitrotoluene	50		10	ug/L	50.0		101	52-158			
2-Chlorophenol	47		10	ug/L	50.0		94	17-110			
4-Chloro-3-methylphenol	47		10	ug/L	50.0		94	35-131			
4-Nitrophenol	39		10	ug/L	50.0		77	10-94			
N-Nitroso-di-n-propylamine	51		10	ug/L	50.0		103	26-135			
Phenol	31		10	ug/L	50.0		62	10-60			QL-02
2,4,6-Tribromophenol	*43*			*ug/L*	*50.0*		*86*	*33-145*			
2-Fluorobiphenyl	*52*			*ug/L*	*50.0*		*104*	*32-116*			
2-Fluorophenol	*31*			*ug/L*	*50.0*		*62*	*11-100*			
Nitrobenzene-d5	*40*			*ug/L*	*50.0*		*79*	*24-107*			
Phenol-d5	*22*			*ug/L*	*50.0*		*44*	*10-100*			
Terphenyl-d14	*47*			*ug/L*	*50.0*		*95*	*52-150*			

QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS SIM - Quality Control

Batch 2H01006 - EPA 3510C_MS - Continued

Matrix Spike (2H01006-MS1) Prepared: 08/01/2022 07:45 Analyzed: 08/02/2022 14:15

Source: AF05671-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4-Dinitrotoluene	53		10	ug/L	50.0	3.2 U	105	52-158			
2-Chlorophenol	53		10	ug/L	50.0	7.4 U	105	17-110			
4-Chloro-3-methylphenol	49		10	ug/L	50.0	7.3 U	97	35-131			
4-Nitrophenol	37		10	ug/L	50.0	7.9 U	74	10-94			
N-Nitroso-di-n-propylamine	52		10	ug/L	50.0	4.5 U	104	26-135			
Phenol	33		10	ug/L	50.0	5.6 U	66	10-60			QM-19
2,4,6-Tribromophenol	*43*			*ug/L*	*50.0*		*85*	*33-145*			
2-Fluorobiphenyl	*54*			*ug/L*	*50.0*		*108*	*32-116*			
2-Fluorophenol	*35*			*ug/L*	*50.0*		*69*	*11-100*			
Nitrobenzene-d5	*44*			*ug/L*	*50.0*		*88*	*24-107*			
Phenol-d5	*27*			*ug/L*	*50.0*		*53*	*10-100*			
Terphenyl-d14	*52*			*ug/L*	*50.0*		*104*	*52-150*			

Matrix Spike Dup (2H01006-MSD1) Prepared: 08/01/2022 07:45 Analyzed: 08/02/2022 14:45

Source: AF05671-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4-Dinitrotoluene	49		10	ug/L	50.0	3.2 U	99	52-158	7	18	
2-Chlorophenol	51		10	ug/L	50.0	7.4 U	102	17-110	3	16	
4-Chloro-3-methylphenol	46		10	ug/L	50.0	7.3 U	92	35-131	6	16	
4-Nitrophenol	29		10	ug/L	50.0	7.9 U	58	10-94	25	15	QM-11
N-Nitroso-di-n-propylamine	50		10	ug/L	50.0	4.5 U	101	26-135	3	18	
Phenol	33		10	ug/L	50.0	5.6 U	66	10-60	0.3	9	QM-19
2,4,6-Tribromophenol	*41*			*ug/L*	*50.0*		*82*	*33-145*			
2-Fluorobiphenyl	*51*			*ug/L*	*50.0*		*102*	*32-116*			
2-Fluorophenol	*33*			*ug/L*	*50.0*		*66*	*11-100*			
Nitrobenzene-d5	*43*			*ug/L*	*50.0*		*86*	*24-107*			
Phenol-d5	*24*			*ug/L*	*50.0*		*48*	*10-100*			
Terphenyl-d14	*46*			*ug/L*	*50.0*		*92*	*52-150*			

Organochlorine Pesticides by GC - Quality Control

Batch 2G28001 - EPA 3510C

Blank (2G28001-BLK1) Prepared: 07/28/2022 12:00 Analyzed: 07/29/2022 11:10

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDD	0.020	U	0.050	ug/L							
4,4'-DDE	0.036	U	0.050	ug/L							
4,4'-DDT	0.025	U	0.050	ug/L							
Aldrin	0.032	U	0.050	ug/L							
alpha-BHC	0.026	U	0.050	ug/L							
beta-BHC	0.036	U	0.050	ug/L							
Chlordane (tech)	0.36	U	0.50	ug/L							
Chlordane-alpha	0.022	U	0.050	ug/L							
Chlordane-gamma	0.024	U	0.050	ug/L							
delta-BHC	0.019	U	0.050	ug/L							
Dieldrin	0.017	U	0.050	ug/L							
Endosulfan I	0.016	U	0.050	ug/L							

QUALITY CONTROL DATA

Organochlorine Pesticides by GC - Quality Control

Batch 2G28001 - EPA 3510C - Continued

Blank (2G28001-BLK1) Continued Prepared: 07/28/2022 12:00 Analyzed: 07/29/2022 11:10

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Endosulfan II	0.017	U	0.050	ug/L							
Endosulfan sulfate	0.020	U	0.050	ug/L							
Endrin	0.014	U	0.050	ug/L							
Endrin aldehyde	0.020	U	0.050	ug/L							
gamma-BHC	0.021	U	0.050	ug/L							
Heptachlor	0.026	U	0.050	ug/L							
Heptachlor epoxide	0.018	U	0.050	ug/L							
Methoxychlor	0.020	U	0.050	ug/L							
Toxaphene	0.48	U	0.50	ug/L							
2,4,5,6-TCMX [2C]	*1.3*			*ug/L*	*1.00*		*130*	*38-142*			
Decachlorobiphenyl	*1.0*			*ug/L*	*1.00*		*101*	*34-159*			

LCS (2G28001-BS1) Prepared: 07/28/2022 12:00 Analyzed: 07/29/2022 11:49

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	0.68		0.050	ug/L	1.00		68	37-125			
Dieldrin	1.2		0.050	ug/L	1.00		115	46-127			
Endrin	1.0		0.050	ug/L	1.00		105	28-143			
2,4,5,6-TCMX	*1.1*			*ug/L*	*1.00*		*112*	*38-142*			
Decachlorobiphenyl	*0.82*			*ug/L*	*1.00*		*82*	*34-159*			

Matrix Spike (2G28001-MS1) Prepared: 07/28/2022 12:00 Analyzed: 07/29/2022 12:01

Source: AF04821-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	0.64		0.050	ug/L	1.00	0.025 U	64	37-125			
Dieldrin	0.66		0.050	ug/L	1.00	0.017 U	66	46-127			
Endrin	0.96		0.050	ug/L	1.00	0.014 U	96	28-143			
2,4,5,6-TCMX	*0.45*			*ug/L*	*1.00*		*45*	*38-142*			
Decachlorobiphenyl	*0.51*			*ug/L*	*1.00*		*51*	*34-159*			

Matrix Spike Dup (2G28001-MSD1) Prepared: 07/28/2022 12:00 Analyzed: 07/29/2022 12:14

Source: AF04821-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	0.74		0.050	ug/L	1.00	0.025 U	74	37-125	14	24	
Dieldrin	0.72		0.050	ug/L	1.00	0.017 U	72	46-127	9	21	
Endrin	1.0		0.050	ug/L	1.00	0.014 U	104	28-143	8	22	
2,4,5,6-TCMX	*0.50*			*ug/L*	*1.00*		*50*	*38-142*			
Decachlorobiphenyl	*0.71*			*ug/L*	*1.00*		*71*	*34-159*			

Batch 2H03001 - EPA 3510C

Blank (2H03001-BLK1) Prepared: 08/03/2022 07:00 Analyzed: 08/03/2022 12:11

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDD	0.020	U	0.050	ug/L							
4,4'-DDE	0.036	U	0.050	ug/L							
4,4'-DDT	0.025	U	0.050	ug/L							

QUALITY CONTROL DATA

Organochlorine Pesticides by GC - Quality Control

Batch 2H03001 - EPA 3510C - Continued

Blank (2H03001-BLK1) Continued Prepared: 08/03/2022 07:00 Analyzed: 08/03/2022 12:11

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aldrin	0.032	U	0.050	ug/L							
alpha-BHC	0.026	U	0.050	ug/L							
beta-BHC	0.036	U	0.050	ug/L							
Chlordane (tech)	0.36	U	0.50	ug/L							
Chlordane-alpha	0.022	U	0.050	ug/L							
Chlordane-gamma	0.024	U	0.050	ug/L							
delta-BHC	0.019	U	0.050	ug/L							
Dieldrin	0.017	U	0.050	ug/L							
Endosulfan I	0.016	U	0.050	ug/L							
Endosulfan II	0.017	U	0.050	ug/L							
Endosulfan sulfate	0.020	U	0.050	ug/L							
Endrin	0.014	U	0.050	ug/L							
Endrin aldehyde	0.020	U	0.050	ug/L							
gamma-BHC	0.021	U	0.050	ug/L							
Heptachlor	0.026	U	0.050	ug/L							
Heptachlor epoxide	0.018	U	0.050	ug/L							
Methoxychlor	0.020	U	0.050	ug/L							
Toxaphene	0.48	U	0.50	ug/L							
2,4,5,6-TCMX	*0.98*			*ug/L*	*1.00*		*98*	*38-142*			
Decachlorobiphenyl	*1.1*			*ug/L*	*1.00*		*114*	*34-159*			

LCS (2H03001-BS1) Prepared: 08/03/2022 07:00 Analyzed: 08/03/2022 12:36

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	1.0		0.050	ug/L	1.00		103	37-125			
Dieldrin	1.1		0.050	ug/L	1.00		113	46-127			
Endrin	1.1		0.050	ug/L	1.00		110	28-143			
2,4,5,6-TCMX	*1.2*			*ug/L*	*1.00*		*123*	*38-142*			
Decachlorobiphenyl	*1.1*			*ug/L*	*1.00*		*112*	*34-159*			

Matrix Spike (2H03001-MS1) Prepared: 08/03/2022 07:00 Analyzed: 08/03/2022 12:49

Source: AF05695-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	6.5		0.25	ug/L	5.00	0.12 U	130	37-125			QM-07
Dieldrin	5.0		0.25	ug/L	5.00	0.085 U	100	46-127			
Endrin	5.6		0.25	ug/L	5.00	0.070 U	111	28-143			
2,4,5,6-TCMX	*6.0*			*ug/L*	*5.00*		*121*	*38-142*			
Decachlorobiphenyl	*6.6*			*ug/L*	*5.00*		*132*	*34-159*			

Matrix Spike Dup (2H03001-MSD1) Prepared: 08/03/2022 07:00 Analyzed: 08/03/2022 13:02

Source: AF05695-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	5.6		0.25	ug/L	5.00	0.12 U	112	37-125	15	24	
Dieldrin	4.8		0.25	ug/L	5.00	0.085 U	95	46-127	5	21	
Endrin	5.4		0.25	ug/L	5.00	0.070 U	107	28-143	4	22	
2,4,5,6-TCMX	*6.6*			*ug/L*	*5.00*		*133*	*38-142*			
Decachlorobiphenyl	*6.4*			*ug/L*	*5.00*		*127*	*34-159*			

QUALITY CONTROL DATA

Polychlorinated Biphenyls by GC - Quality Control

Batch 2H03004 - EPA 3510C

Blank (2H03004-BLK1) Prepared: 08/03/2022 07:00 Analyzed: 08/03/2022 11:56

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	0.49	U	0.50	ug/L							
PCB-1221	0.46	U	0.50	ug/L							
PCB-1232	0.47	U	0.50	ug/L							
PCB-1248	0.49	U	0.50	ug/L							
PCB-1254	0.50	U	0.50	ug/L							
PCB-1260	0.48	U	0.50	ug/L							
2,4,5,6-TCMX	*0.81*			*ug/L*	*1.00*		*81*	*38-142*			
Decachlorobiphenyl	*0.93*			*ug/L*	*1.00*		*93*	*34-159*			

LCS (2H03004-BS1) Prepared: 08/03/2022 07:00 Analyzed: 08/03/2022 12:07

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	14		0.50	ug/L	10.0		142	11-162			
PCB-1260	12		0.50	ug/L	10.0		120	10-166			
2,4,5,6-TCMX	*0.98*			*ug/L*	*1.00*		*98*	*38-142*			
Decachlorobiphenyl	*0.90*			*ug/L*	*1.00*		*90*	*34-159*			

Matrix Spike (2H03004-MS1) Prepared: 08/03/2022 07:00 Analyzed: 08/03/2022 12:19

Source: AF05671-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	14		0.50	ug/L	10.0	0.49 U	139	11-162			
PCB-1260	12		0.50	ug/L	10.0	0.48 U	119	10-166			
2,4,5,6-TCMX	*0.93*			*ug/L*	*1.00*		*93*	*38-142*			
Decachlorobiphenyl	*0.85*			*ug/L*	*1.00*		*85*	*34-159*			

Matrix Spike Dup (2H03004-MSD1) Prepared: 08/03/2022 07:00 Analyzed: 08/03/2022 12:31

Source: AF05671-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	13		0.50	ug/L	10.0	0.49 U	128	11-162	8	23	
PCB-1260	12		0.50	ug/L	10.0	0.48 U	119	10-166	0.08	13	
2,4,5,6-TCMX	*0.96*			*ug/L*	*1.00*		*96*	*38-142*			
Decachlorobiphenyl	*1.0*			*ug/L*	*1.00*		*101*	*34-159*			

Chlorinated Herbicides by GC - Quality Control

Batch 2H01035 - EPA 3510C

Blank (2H01035-BLK1) Prepared: 08/01/2022 15:10 Analyzed: 08/04/2022 17:02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-T	0.28	U	0.50	ug/L							
2,4,5-TP (Silvex)	0.44	U	0.50	ug/L							
2,4-D	0.27	U	0.50	ug/L							
Dinoseb	0.32	U	0.50	ug/L							
Pentachlorophenol	0.19	U	0.50	ug/L							
2,4-DCAA	*1.9*			*ug/L*	*2.00*		*96*	*37-134*			

QUALITY CONTROL DATA

Chlorinated Herbicides by GC - Quality Control

Batch 2H01035 - EPA 3510C - Continued

LCS (2H01035-BS1) Prepared: 08/01/2022 15:10 Analyzed: 08/04/2022 17:27

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	1.6		0.50	ug/L	2.00		78	24-135			
2,4-D	1.5		0.50	ug/L	2.00		76	20-134			
2,4-DCAA	*2.5*			*ug/L*	*2.00*		*127*	*37-134*			

Matrix Spike (2H01035-MS1) Prepared: 08/01/2022 15:10 Analyzed: 08/04/2022 17:52

Source: AF05671-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	1.6		0.50	ug/L	2.00	0.44 U	82	24-135			
2,4-D	1.9		0.50	ug/L	2.00	0.27 U	94	20-134			
2,4-DCAA	*3.4*			*ug/L*	*2.00*		*172*	*37-134*			*QS-03*

Matrix Spike Dup (2H01035-MSD1) Prepared: 08/01/2022 15:10 Analyzed: 08/04/2022 18:17

Source: AF05671-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	1.6		0.50	ug/L	2.00	0.44 U	81	24-135	2	19	
2,4-D	1.8		0.50	ug/L	2.00	0.27 U	90	20-134	3	19	
2,4-DCAA	*3.1*			*ug/L*	*2.00*		*156*	*37-134*			*QS-03*

Semivolatile Organic Compounds by GC - Quality Control

Batch 2G29001 - EPA 504/8011

Blank (2G29001-BLK1) Prepared: 07/29/2022 02:59 Analyzed: 07/29/2022 04:21

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.012	U	0.020	ug/L							
1,2-Dibromoethane	0.010	U	0.020	ug/L							
1,1,1,2-Tetrachloroethane	*0.23*			*ug/L*	*0.250*		*92*	*70-130*			

LCS (2G29001-BS1) Prepared: 07/29/2022 02:59 Analyzed: 07/29/2022 04:37

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.21		0.020	ug/L	0.250		85	61-139			
1,2-Dibromoethane	0.17		0.020	ug/L	0.250		69	65-133			
1,1,1,2-Tetrachloroethane	*0.24*			*ug/L*	*0.250*		*96*	*70-130*			

Matrix Spike (2G29001-MS1) Prepared: 07/29/2022 02:59 Analyzed: 07/29/2022 04:53

Source: AF05510-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.22		0.020	ug/L	0.250	0.012 U	89	61-139			
1,2-Dibromoethane	0.18		0.020	ug/L	0.250	0.010 U	70	65-133			
1,1,1,2-Tetrachloroethane	*0.24*			*ug/L*	*0.250*		*94*	*70-130*			

Matrix Spike Dup (2G29001-MSD1) Prepared: 07/29/2022 02:59 Analyzed: 07/29/2022 05:09

Source: AF05510-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

QUALITY CONTROL DATA

Semivolatile Organic Compounds by GC - Quality Control

Batch 2G29001 - EPA 504/8011 - Continued

Matrix Spike Dup (2G29001-MSD1) Continued Prepared: 07/29/2022 02:59 Analyzed: 07/29/2022 05:09

Source: AF05510-02

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.24		0.020	ug/L	0.250	0.012 U	96	61-139	7	12	
1,2-Dibromoethane	0.21		0.020	ug/L	0.250	0.010 U	84	65-133	18	17	QM-11
1,1,1,2-Tetrachloroethane	*0.26*			*ug/L*	*0.250*		*104*	*70-130*			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 2G26035 - EPA 7470A

Blank (2G26035-BLK1) Prepared: 07/27/2022 13:21 Analyzed: 07/28/2022 08:43

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.0230	U	0.200	ug/L							

Blank (2G26035-BLK2) Prepared: 07/27/2022 13:21 Analyzed: 07/28/2022 08:46

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.230	U	2.00	ug/L							

Blank (2G26035-BLK3) Prepared: 07/27/2022 13:21 Analyzed: 07/28/2022 08:49

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.230	U	2.00	ug/L							

LCS (2G26035-BS1) Prepared: 07/27/2022 13:21 Analyzed: 07/28/2022 08:52

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.11		0.200	ug/L	5.00		102	80-120			

Matrix Spike (2G26035-MS1) Prepared: 07/27/2022 13:21 Analyzed: 07/28/2022 08:58

Source: AF05392-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	52.0		2.00	ug/L	50.0	0.230 U	104	75-125			

Matrix Spike Dup (2G26035-MSD1) Prepared: 07/27/2022 13:21 Analyzed: 07/28/2022 09:02

Source: AF05392-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	51.6		2.00	ug/L	50.0	0.230 U	103	75-125	0.7	20	

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2G26040 - EPA 3005A

Blank (2G26040-BLK1) Prepared: 07/27/2022 10:51 Analyzed: 07/28/2022 13:00

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	2.50	U	5.00	ug/L							
Arsenic	6.10	U	10.0	ug/L							
Barium	50.0	U	100	ug/L							

QUALITY CONTROL DATA

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2G26040 - EPA 3005A - Continued

Blank (2G26040-BLK1) Continued Prepared: 07/27/2022 10:51 Analyzed: 07/28/2022 13:00

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Beryllium	0.940	U	1.00	ug/L							
Cadmium	2.00	U	5.00	ug/L							
Chromium	5.00	U	10.0	ug/L							
Cobalt	5.00	U	10.0	ug/L							
Copper	2.50	U	10.0	ug/L							
Iron	50.0	U	250	ug/L							
Lead	2.50	U	5.00	ug/L							
Nickel	5.00	U	10.0	ug/L							
Selenium	6.50	U	10.0	ug/L							
Silver	0.500	U	1.00	ug/L							
Sodium	0.500	U	1.00	mg/L							
Thallium	0.600	U	1.00	ug/L							
Tin	5.00	U	50.0	ug/L							
Vanadium	5.00	U	10.0	ug/L							
Zinc	75.0	U	200	ug/L							

Blank (2G26040-BLK2) Prepared: 07/28/2022 09:45 Analyzed: 07/29/2022 14:20

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.250	U	0.500	ug/L							
Arsenic	0.610	U	1.00	ug/L							
Barium	5.00	U	10.0	ug/L							
Beryllium	0.0940	U	0.100	ug/L							
Cadmium	0.200	U	0.500	ug/L							
Chromium	0.500	U	1.00	ug/L							
Cobalt	0.500	U	1.00	ug/L							
Copper	**0.358**	**I**	1.00	ug/L							
Iron	5.00	U	25.0	ug/L							
Lead	0.250	U	0.500	ug/L							
Nickel	0.500	U	1.00	ug/L							
Selenium	0.650	U	1.00	ug/L							
Silver	0.0500	U	0.100	ug/L							
Sodium	0.0500	U	0.100	mg/L							
Thallium	0.0600	U	0.100	ug/L							
Tin	0.500	U	5.00	ug/L							
Vanadium	0.500	U	1.00	ug/L							
Zinc	7.50	U	20.0	ug/L							

LCS (2G26040-BS1) Prepared: 07/27/2022 10:51 Analyzed: 07/28/2022 13:04

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	53.2		5.00	ug/L	50.0		106	80-120			
Arsenic	485		10.0	ug/L	500		97	80-120			
Barium	488		100	ug/L	500		98	80-120			
Beryllium	47.9		1.00	ug/L	50.0		96	80-120			
Cadmium	47.9		5.00	ug/L	50.0		96	80-120			
Chromium	506		10.0	ug/L	500		101	80-120			
Cobalt	504		10.0	ug/L	500		101	80-120			

QUALITY CONTROL DATA

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2G26040 - EPA 3005A - Continued

LCS (2G26040-BS1) Continued Prepared: 07/27/2022 10:51 Analyzed: 07/28/2022 13:04

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Copper	502		10.0	ug/L	500		100	80-120			
Iron	1010		250	ug/L	1000		101	80-120			
Lead	488		5.00	ug/L	500		98	80-120			
Nickel	497		10.0	ug/L	500		99	80-120			
Selenium	477		10.0	ug/L	500		95	80-120			
Silver	52.0		1.00	ug/L	50.0		104	80-120			
Sodium	24.7		1.00	mg/L	25.0		99	80-120			
Thallium	52.0		1.00	ug/L	50.0		104	80-120			
Tin	502		50.0	ug/L	500		100	80-120			
Vanadium	493		10.0	ug/L	500		99	80-120			
Zinc	486		200	ug/L	500		97	80-120			

Matrix Spike (2G26040-MS1) Prepared: 07/27/2022 10:51 Analyzed: 07/28/2022 13:15

Source: AF03870-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	48.8		5.00	ug/L	50.0	2.50 U	98	75-125			
Arsenic	476		10.0	ug/L	500	6.10 U	95	75-125			
Barium	499		100	ug/L	500	50.0 U	100	75-125			
Beryllium	47.5		1.00	ug/L	50.0	0.940 U	95	75-125			
Cadmium	47.9		5.00	ug/L	50.0	2.00 U	96	75-125			
Chromium	505		10.0	ug/L	500	5.00 U	101	75-125			
Cobalt	503		10.0	ug/L	500	5.00 U	101	75-125			
Copper	504		10.0	ug/L	500	2.50 U	101	75-125			
Iron	1010		250	ug/L	1000	50.0 U	101	75-125			
Lead	496		5.00	ug/L	500	2.50 U	99	75-125			
Nickel	501		10.0	ug/L	500	5.00 U	100	75-125			
Selenium	464		10.0	ug/L	500	6.50 U	93	75-125			
Silver	50.5		1.00	ug/L	50.0	0.500 U	101	75-125			
Sodium	37.2		1.00	mg/L	25.0	11.3	104	75-125			
Thallium	50.4		1.00	ug/L	50.0	0.600 U	101	75-125			
Tin	500		50.0	ug/L	500	5.00 U	100	75-125			
Vanadium	504		10.0	ug/L	500	5.00 U	101	75-125			
Zinc	481		200	ug/L	500	75.0 U	96	75-125			

Matrix Spike (2G26040-MS2) Prepared: 07/28/2022 09:45 Analyzed: 07/29/2022 14:27

Source: AF05171-08

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	50.0		5.00	ug/L	50.0	2.50 U	100	75-125			
Arsenic	507		10.0	ug/L	500	6.10 U	101	75-125			
Barium	517		100	ug/L	500	50.0 U	103	75-125			
Beryllium	49.2		1.00	ug/L	50.0	0.940 U	98	75-125			
Cadmium	48.5		5.00	ug/L	50.0	2.00 U	97	75-125			
Chromium	511		10.0	ug/L	500	8.20	101	75-125			
Cobalt	511		10.0	ug/L	500	5.00 U	102	75-125			
Copper	510		10.0	ug/L	500	5.68	101	75-125			
Iron	1110		250	ug/L	1000	91.0	101	75-125			
Lead	514		5.00	ug/L	500	2.50 U	103	75-125			
Nickel	497		10.0	ug/L	500	5.00 U	99	75-125			

QUALITY CONTROL DATA

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2G26040 - EPA 3005A - Continued

Matrix Spike (2G26040-MS2) Continued Prepared: 07/28/2022 09:45 Analyzed: 07/29/2022 14:27

Source: AF05171-08

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Selenium	487		10.0	ug/L	500	6.50 U	97	75-125			
Silver	50.1		1.00	ug/L	50.0	0.500 U	100	75-125			
Sodium	42.4		1.00	mg/L	25.0	17.4	100	75-125			
Thallium	50.9		1.00	ug/L	50.0	0.600 U	102	75-125			
Tin	503		50.0	ug/L	500	5.00 U	101	75-125			
Vanadium	517		10.0	ug/L	500	19.1	99	75-125			
Zinc	493		200	ug/L	500	75.0 U	99	75-125			

Matrix Spike Dup (2G26040-MSD1) Prepared: 07/27/2022 10:51 Analyzed: 07/28/2022 13:18

Source: AF03870-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	49.0		5.00	ug/L	50.0	2.50 U	98	75-125	0.5	20	
Arsenic	481		10.0	ug/L	500	6.10 U	96	75-125	0.9	20	
Barium	491		100	ug/L	500	50.0 U	98	75-125	2	20	
Beryllium	47.4		1.00	ug/L	50.0	0.940 U	95	75-125	0.3	20	
Cadmium	47.6		5.00	ug/L	50.0	2.00 U	95	75-125	0.5	20	
Chromium	500		10.0	ug/L	500	5.00 U	100	75-125	1	20	
Cobalt	498		10.0	ug/L	500	5.00 U	100	75-125	1	20	
Copper	499		10.0	ug/L	500	2.50 U	100	75-125	1	20	
Iron	1010		250	ug/L	1000	50.0 U	101	75-125	0.2	20	
Lead	490		5.00	ug/L	500	2.50 U	98	75-125	1	20	
Nickel	494		10.0	ug/L	500	5.00 U	99	75-125	1	20	
Selenium	471		10.0	ug/L	500	6.50 U	94	75-125	1	20	
Silver	49.2		1.00	ug/L	50.0	0.500 U	98	75-125	3	20	
Sodium	36.7		1.00	mg/L	25.0	11.3	101	75-125	1	20	
Thallium	49.8		1.00	ug/L	50.0	0.600 U	100	75-125	1	20	
Tin	499		50.0	ug/L	500	5.00 U	100	75-125	0.3	20	
Vanadium	495		10.0	ug/L	500	5.00 U	99	75-125	2	20	
Zinc	480		200	ug/L	500	75.0 U	96	75-125	0.2	20	

Classical Chemistry Parameters - Quality Control

Batch 2G26039 - NO PREP

Blank (2G26039-BLK1) Prepared: 07/26/2022 16:10 Analyzed: 07/27/2022 06:18

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	0.29	U	5.0	mg/L							
Nitrate as N	0.052	U	1.0	mg/L							

LCS (2G26039-BS1) Prepared: 07/26/2022 16:10 Analyzed: 07/27/2022 06:33

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	47		5.0	mg/L	50.0		94	90-110			
Nitrate as N	23		1.0	mg/L	25.0		93	90-110			

QUALITY CONTROL DATA

Classical Chemistry Parameters - Quality Control

Batch 2G26039 - NO PREP - Continued

Matrix Spike (2G26039-MS1) Prepared: 07/26/2022 16:10 Analyzed: 07/27/2022 07:04

Source: AF03870-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	51		5.0	mg/L	50.0	4.1	94	90-110			
Nitrate as N	23		1.0	mg/L	25.0	0.13	93	90-110			

Matrix Spike (2G26039-MS2) Prepared: 07/26/2022 16:10 Analyzed: 07/27/2022 07:51

Source: AF03870-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	54		5.0	mg/L	50.0	6.5	94	90-110			
Nitrate as N	23		1.0	mg/L	25.0	0.085	93	90-110			

Matrix Spike Dup (2G26039-MSD1) Prepared: 07/26/2022 16:10 Analyzed: 07/27/2022 07:20

Source: AF03870-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	51		5.0	mg/L	50.0	4.1	94	90-110	0.04	10	
Nitrate as N	23		1.0	mg/L	25.0	0.13	93	90-110	0.1	10	

Matrix Spike Dup (2G26039-MSD2) Prepared: 07/26/2022 16:10 Analyzed: 07/27/2022 08:07

Source: AF03870-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	54		5.0	mg/L	50.0	6.5	95	90-110	0.4	10	
Nitrate as N	23		1.0	mg/L	25.0	0.085	94	90-110	0.3	10	

Batch 2G27009 - NO PREP

Blank (2G27009-BLK1) Prepared: 07/27/2022 11:00 Analyzed: 07/27/2022 13:05

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.0067	U	0.010	mg/L							

LCS (2G27009-BS1) Prepared: 07/27/2022 11:00 Analyzed: 07/27/2022 13:05

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.22		0.010	mg/L	0.200		108	83-116			

Matrix Spike (2G27009-MS1) Prepared: 07/27/2022 11:00 Analyzed: 07/27/2022 13:05

Source: AF03870-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.22		0.010	mg/L	0.200	0.0067 U	108	83-116			

Matrix Spike Dup (2G27009-MSD1) Prepared: 07/27/2022 11:00 Analyzed: 07/27/2022 13:05

Source: AF03870-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.22		0.010	mg/L	0.200	0.0067 U	109	83-116	1	19	

Batch 2G27014 - NO PREP

QUALITY CONTROL DATA

Classical Chemistry Parameters - Quality Control

Batch 2G27014 - NO PREP - Continued

Blank (2G27014-BLK1) Prepared & Analyzed: 07/27/2022 09:42

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.45	U	1.0	mg/L							

LCS (2G27014-BS1) Prepared & Analyzed: 07/27/2022 09:42

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	3.4		1.0	mg/L	4.01		86	84-106			

Matrix Spike (2G27014-MS1) Prepared & Analyzed: 07/27/2022 09:42

Source: AF05585-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	3.6		1.0	mg/L	4.01	0.49	77	84-106			QM-07

Matrix Spike Dup (2G27014-MSD1) Prepared & Analyzed: 07/27/2022 09:42

Source: AF05585-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	3.6		1.0	mg/L	4.01	0.49	77	84-106	0	10	QM-07

Batch 2G28016 - NO PREP

Blank (2G28016-BLK1) Prepared: 07/28/2022 12:10 Analyzed: 07/29/2022 16:30

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	10	U	10	mg/L							

LCS (2G28016-BS1) Prepared: 07/28/2022 12:10 Analyzed: 07/29/2022 16:30

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	94		10	mg/L	100		94	90-110			

Duplicate (2G28016-DUP1) Prepared: 07/28/2022 12:10 Analyzed: 07/29/2022 16:30

Source: AF03870-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	86		10	mg/L		84			2	20	

Batch 2G29026 - NO PREP

Blank (2G29026-BLK1) Prepared: 07/29/2022 13:28 Analyzed: 08/01/2022 09:44

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.0098	U	0.020	mg/L							

LCS (2G29026-BS1) Prepared: 07/29/2022 13:28 Analyzed: 08/01/2022 09:45

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.99		0.020	mg/L	1.00		99	90-110			

QUALITY CONTROL DATA

Classical Chemistry Parameters - Quality Control

Batch 2G29026 - NO PREP - Continued

Matrix Spike (2G29026-MS1) Prepared: 07/29/2022 13:28 Analyzed: 08/01/2022 09:51

Source: AF03870-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	1.0		0.020	mg/L	1.00	0.012	102	90-110			

Matrix Spike (2G29026-MS2) Prepared: 07/29/2022 13:28 Analyzed: 08/01/2022 09:54

Source: AF03870-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.96		0.020	mg/L	1.00	0.0098 U	96	90-110			

Matrix Spike Dup (2G29026-MSD1) Prepared: 07/29/2022 13:28 Analyzed: 08/01/2022 09:52

Source: AF03870-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	1.0		0.020	mg/L	1.00	0.012	102	90-110	0	10	

FLAGS/NOTES AND DEFINITIONS

PQL	PQL: Practical Quantitation Limit. The PQL presented is the laboratory MRL.
B	Results are based upon membrane filter colony counts that are outside the method indicated ideal range.
I	The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).
J	Estimated value.
K	Off-scale low; Actual value is known to be less than the value given.
L	Off-scale high; Actual value is known to be greater than value given.
M	Presence of analyte is verified but not quantified; the actual value is less than the MRL but greater than the MDL.
N	Presumptive evidence of presence of material.
O	Sampled, but analysis lost or not performed.
Q	Sample exceeded the accepted holding time.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only and shall not be used in statistical analysis.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.
Z	Too many colonies were present (TNTC); the numeric value represents the filtration volume.
?	Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
*	Not reported due to interference.
[CALC]	Calculated analyte - MDL/MRL reported to the highest reporting limit of the component analyses.
Q-01	Analysis performed outside of method - specified holding time.
QL-02	The associated laboratory control sample exhibited high bias; since the result is ND, there is no impact.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-11	Precision between duplicate matrix spikes of the same sample was outside acceptance limits.
QM-19	The spike recovery was outside acceptance limits for the MS and/or MSD.
QS-03	Surrogate recovery outside acceptance limits
QV-01	The associated continuing calibration verification standard exhibited high bias; since the result is ND, there is no impact.

ENVIRONMENTAL CONSERVATION LABORATORIES — CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr.
Orlando, FL 32824
(407) 826-5314

4810 Executive Park Court, Suite 111
Jacksonville, FL 32216-6069
(904) 296-3007 Fax (904) 296-6210

102-A Woodwinds Industrial Ct.
Cary, NC 27511
(919) 467-3090 Fax (919) 467-3515

www.encolabs.com

Client Name: Jones Edmunds & Associates, Inc. (JO006)	Project Number: 39859
Address: 730 N.E.Waldo Road Bldg.A	Project Name/Desc: Citrus Co. LF
City/ST/Zip: Gainesville, FL 32641	PO # / Billing Info: 03860-075-01
Tel: (352) 377-5821 / Fax: (352) 377-3166	Reporting Contact: Elizabeth Kennelley
Sampler(s) Name, Affiliation (Print): Royce Gamble / JEA	Billing Contact: Accounts Payable
Sampler(s) Signature:	Site Location / Time Zone: Lecanto FL / EST

Requested Analyses

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8011	8260D Appendix 2 FL	8270E PAH SIM,8270 App2	8151A Appendix 2	8081B Appendix 2 8082A Appendix 2	Sulfide SM4500-S F	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Na,Ni,Pb,Sb,Se,Sn,Tl,V,Zn,Hg	Ammonia 350.1	Chloride 300,Nitrate as N 300,TDS SM2540C	Cyanide SM4500-CN E	Sample Comments
1	MW-7c(D)	7/25/22	1236	G	GW	15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
2	MW-7c(S)	↓	1433	G	GW	15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3	EQUBLK	↓	1305	G	O	15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	EQUBLK
4	Trip Blank #1	↓	-	-	O	2											QA/QC #1
5	Trip Blank #2	↓	-	-	O	2											QA/QC #2

Preservation (See Codes) (Combine as necessary)

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

✓ Standard

___ Expedited

Due ___/___/___

Lab Workorder: AF03870

<-- Total # of Containers

Sample Kit Prepared By: EC6	Date/Time: 05/18/22 12:30	Relinquished By	Date/Time: 05/18/22 12:30	Received By	Date/Time: 7/18/22 0800
Comments/Special Reporting Requirements: Samples Shipped w/ FedEx STND Overnight from Ocala FL 2 Coolers		Relinquished By	Date/Time: 7/25/22 1700	Received By	Date/Time: 7/26/22 1330
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: (-23 0.2°C, (-20) 0.2°C		Condition Upon Receipt: ✓ Acceptable ___ Unacceptable	

Matrix : **GW**-Groundwater **SO**-Soil **DW**-Drinking Water **SE**-Sediment **SW**-Surface Water **WW**-Wastewater **A**-Air **O**-Other (detail in comments)

Preservation: **I**-Ice **H**-HCl **N**-HNO3 **S**-H2SO4 **NO**-NaOH **O**-Other (detail in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

Jones, Edmunds, and Associates, Inc.
Environmental Consultants
730 NE Waldo Road
Gainesville, Florida 32641
(352) 377-5821 Fax (352) 377-3166

Please return a copy of this form with original lab report.

Collection Method:	Description:
BA	BAILER
BP	BLADDER PUMP
CP	CENTRIFUGAL PUMP
E	GRAB
M	METER READING
PP	PERISTALTIC PUMP
SP	SUBMERSIBLE OR IN-PLACE DEDICATED PUMP
Z	UNKNOWN

* Initial Depth to Water at Time of Sampling

Field Data Information Form

Project Name: Citrus County Central Land Fill
Project Number: 03860-090-01
Date: 7/25/22
Sampler: Royce Gamble
Laboratory: ENCO

Sampling Station	Date	Time	pH (S. U.)	Temp (Deg C)	Conductivity (µmhos/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mV)	Static Depth to Water *	Collection Method
MW-7c(D)	7/25/22	1236	8.08	29.0	169	3.61	1.51	60.1	113.46	SP
MW-7c(S)	↓	1433	7.00	30.1	489	0.15	3.31	80.6	117.68	SP

TO BE SUBMITTED TO LABORATORY WITH CHAIN-OF-CUSTODY

ENCO Laboratories

Accurate. Timely. Responsive. Innovative.

10775 Central Port Drive
Orlando FL, 32824
Phone: 407.826.5314 FAX: 407.850.6945

Monday, August 29, 2022
Jones Edmunds & Associates, Inc. (JO006)
Attn: Elizabeth Kennelley
730 N.E.Waldo Road Bldg.A
Gainesville, FL 32641

RE: Laboratory Results for
Project Number: 39859, Project Name/Desc: Citrus Co. LF
ENCO Workorder(s): AF05754

Dear Elizabeth Kennelley,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Wednesday, August 3, 2022.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative if applicable. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Orlando. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Ryya B Kumm For David Camacho

Project Manager

Enclosure(s)

PROJECT NARRATIVE

Client: Jones Edmunds & Associates, Inc. (JO006)
Project: Citrus Co. LF
ENCO Project ID: AF05754

Overview

All samples submitted were analyzed by Environmental Conservation Laboratories, Inc. in accordance with the methods referenced in the laboratory report. Any particular difficulties encountered during sample handling and processing will be discussed in the Remarks section below.

Remarks

Analysis: SM 4500S2 F-2011
Affected Samples: 2H08024-BS1, MW-20 (c)[AF05754-03]
Nonconformance: The laboratory control sample (LCS) exhibited low bias for sulfide. Due to insufficient sample, reanalysis could not be performed. Therefore, the data reported and qualified.

Ryya B Kumm
Project Manager

www.encolabs.com

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-11 **Lab ID: AF05754-01** **Sampled: 08/02/22 11:47** **Received: 08/03/22 09:50**

Parameter	Preparation	Hold Date/Time(s)				Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	NO PREP	08/04/22	11:47			08/03/22	11:24	08/03/22 17:08
EPA 300.0	NO PREP	08/30/22				08/03/22	11:24	08/03/22 17:08
EPA 350.1	NO PREP	08/30/22				08/04/22	10:37	08/08/22 08:54
EPA 6020B	EPA 3005A	01/29/23				08/04/22	09:31	08/08/22 10:41
EPA 7470A	EPA 7470A	08/30/22				08/04/22	10:53	08/05/22 09:39
EPA 8260D	EPA 5030B_MS	08/16/22				08/03/22	08:53	08/03/22 17:46
Field	*** DEFAULT PREP ***	08/02/22	12:01			08/02/22	11:47	08/02/22 11:47
Field	*** DEFAULT PREP ***	08/03/22	11:47	08/03/22	11:47	08/02/22	11:47	08/02/22 11:47
Field	*** DEFAULT PREP ***	08/04/22	11:47			08/02/22	11:47	08/02/22 11:47
SM 2540C-2011	NO PREP	08/09/22				08/04/22	13:40	08/05/22 14:00

Client ID: MW-11 **Lab ID: AF05754-01RE1** **Sampled: 08/02/22 11:47** **Received: 08/03/22 09:50**

Parameter	Preparation	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8011	EPA 504/8011	08/16/22	08/11/22	05:24	08/11/22 10:59

Client ID: MW-12 **Lab ID: AF05754-02** **Sampled: 08/02/22 13:00** **Received: 08/03/22 09:50**

Parameter	Preparation	Hold Date/Time(s)				Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	NO PREP	08/04/22	13:00			08/03/22	11:24	08/03/22 17:23
EPA 300.0	NO PREP	08/30/22				08/03/22	11:24	08/03/22 17:23
EPA 350.1	NO PREP	08/30/22				08/04/22	10:37	08/08/22 08:55
EPA 6020B	EPA 3005A	01/29/23				08/04/22	09:31	08/08/22 11:29
EPA 7470A	EPA 7470A	08/30/22				08/04/22	10:53	08/05/22 09:42
EPA 8260D	EPA 5030B_MS	08/16/22				08/03/22	08:53	08/03/22 18:14
Field	*** DEFAULT PREP ***	08/02/22	13:14			08/02/22	13:00	08/02/22 13:00
Field	*** DEFAULT PREP ***	08/03/22	13:00	08/03/22	13:00	08/02/22	13:00	08/02/22 13:00
Field	*** DEFAULT PREP ***	08/04/22	13:00			08/02/22	13:00	08/02/22 13:00
SM 2540C-2011	NO PREP	08/09/22				08/04/22	13:40	08/05/22 14:00

Client ID: MW-12 **Lab ID: AF05754-02RE1** **Sampled: 08/02/22 13:00** **Received: 08/03/22 09:50**

Parameter	Preparation	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8011	EPA 504/8011	08/16/22	08/11/22	05:24	08/11/22 11:15

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-20 (c) **Lab ID: AF05754-03** **Sampled: 08/02/22 14:58** **Received: 08/03/22 09:50**

Parameter	Preparation	Hold Date/Time(s)				Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	NO PREP	08/04/22	14:58			08/03/22	11:24	08/03/22 17:39
EPA 300.0	NO PREP	08/30/22				08/03/22	11:24	08/03/22 17:39
EPA 350.1	NO PREP	08/30/22				08/04/22	10:37	08/08/22 08:56
EPA 6020B	EPA 3005A	01/29/23				08/04/22	09:31	08/08/22 11:32
EPA 7470A	EPA 7470A	08/30/22				08/04/22	10:53	08/05/22 09:45
EPA 8081B	EPA 3510C	08/09/22		09/18/22		08/09/22	15:15	08/11/22 15:06
EPA 8082A	EPA 3510C	08/02/23		08/02/23		08/18/22	13:20	08/23/22 23:29
EPA 8151A	EPA 3510C	08/09/22		09/17/22		08/08/22	16:30	08/15/22 21:12
EPA 8260D	EPA 5030B_MS	08/16/22				08/03/22	08:53	08/03/22 19:12
EPA 8270E	EPA 3510C_MS	08/09/22		09/18/22		08/09/22	10:00	08/23/22 13:56
EPA 8270E	EPA 3511_MS	08/09/22		09/18/22		08/09/22	14:19	08/10/22 22:22
Field	*** DEFAULT PREP ***	08/02/22	15:12			08/02/22	14:58	08/02/22 14:58
Field	*** DEFAULT PREP ***	08/03/22	14:58	08/03/22	14:58	08/02/22	14:58	08/02/22 14:58
Field	*** DEFAULT PREP ***	08/04/22	14:58			08/02/22	14:58	08/02/22 14:58
SM 2540C-2011	NO PREP	08/09/22				08/04/22	13:40	08/05/22 14:00
SM 4500CN E-2011	NO PREP	08/16/22				08/05/22	11:10	08/05/22 14:00
SM 4500S2 F-2011	NO PREP	08/09/22				08/08/22	08:23	08/08/22 08:23

Client ID: MW-20 (c) **Lab ID: AF05754-03RE1** **Sampled: 08/02/22 14:58** **Received: 08/03/22 09:50**

Parameter	Preparation	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6020B	EPA 3005A	01/29/23	08/04/22	09:31	08/08/22 13:42
EPA 8011	EPA 504/8011	08/16/22	08/11/22	05:24	08/11/22 11:31

Client ID: TRIP BLANK 2 **Lab ID: AF05754-04** **Sampled: 08/02/22 00:00** **Received: 08/03/22 09:50**

Parameter	Preparation	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260D	EPA 5030B_MS	08/16/22	08/03/22	08:53	08/03/22 18:43

SAMPLE DETECTION SUMMARY

Client ID: MW-11 **Lab ID: AF05754-01**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chloride	6.8		0.29	5.0	mg/L	EPA 300.0	
Depth to Water	98.63				Ft	Field	
Dissolved Oxygen	0.73		0	0	mg/L	Field	
Iron - Total	82.2	I	50.0	250	ug/L	EPA 6020B	
Nitrate as N	1.4		0.052	1.0	mg/L	EPA 300.0	
Oxidation/Reduction Potential	221.3		-999	-999	mV	Field	
pH	6.77				pH Units	Field	
Sodium - Total	5.09		0.320	1.00	mg/L	EPA 6020B	
Specific Conductance (EC)	493		0	0	umhos/cm	Field	
Temperature	24.3		0	0	°C	Field	
Thallium - Total	1.02		0.600	1.00	ug/L	EPA 6020B	
Total Dissolved Solids	240		10	10	mg/L	SM 2540C-2011	
Turbidity	4.29		0	0	NTU	Field	
Water Elevation	6.06				Ft	Field	

Client ID: MW-12 **Lab ID: AF05754-02**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	1.1		0.0098	0.020	mg/L	EPA 350.1	
Chloride	4.3	I	0.29	5.0	mg/L	EPA 300.0	
Depth to Water	96.78				Ft	Field	
Dissolved Oxygen	0.12		0	0	mg/L	Field	
Iron - Total	8600		50.0	250	ug/L	EPA 6020B	
pH	6.52				pH Units	Field	
Sodium - Total	4.33		0.320	1.00	mg/L	EPA 6020B	
Specific Conductance (EC)	652		0	0	umhos/cm	Field	
Temperature	24.8		0	0	°C	Field	
Total Dissolved Solids	330		10	10	mg/L	SM 2540C-2011	
Turbidity	2.50		0	0	NTU	Field	
Water Elevation	6.58				Ft	Field	

Client ID: MW-20 (c) **Lab ID: AF05754-03**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	0.059		0.0098	0.020	mg/L	EPA 350.1	
Antimony - Total	3.45	I	2.50	5.00	ug/L	EPA 6020B	
Arsenic - Total	10.2		6.10	10.0	ug/L	EPA 6020B	
Barium - Total	60.5	I	50.0	100	ug/L	EPA 6020B	
Chloride	13		0.29	5.0	mg/L	EPA 300.0	
Chloroform	2.7		0.80	1.0	ug/L	EPA 8260D	
Chromium - Total	8.98	I	5.00	10.0	ug/L	EPA 6020B	
Copper - Total	2.71	I	2.50	10.0	ug/L	EPA 6020B	
Depth to Water	113.97				Ft	Field	
Dissolved Oxygen	4.27		0	0	mg/L	Field	
Iron - Total	358		50.0	250	ug/L	EPA 6020B	
Nickel - Total	11.9		5.00	10.0	ug/L	EPA 6020B	
Oxidation/Reduction Potential	145.7		-999	-999	mV	Field	
pH	7.05				pH Units	Field	
Specific Conductance (EC)	1270		0	0	umhos/cm	Field	
Temperature	29.5		0	0	°C	Field	
Total Dissolved Solids	820		10	10	mg/L	SM 2540C-2011	
Turbidity	26.2		0	0	NTU	Field	

Client ID: MW-20 (c) **Lab ID: AF05754-03RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Sodium - Total	297		3.20	10.0	mg/L	EPA 6020B	

ANALYTICAL RESULTS

Description: MW-11 **Lab Sample ID:** AF05754-01 **Received:** 08/03/22 09:50

Matrix: Ground Water **Sampled:** 08/02/22 11:47 **Work Order:** AF05754

Project: Citrus Co. LF **Sampled By:** Royce Gamble

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.61	U	ug/L	1	0.61	1.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
1,2,3-Trichloropropane [96-18-4]^	0.64	U	ug/L	1	0.64	1.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
2-Butanone [78-93-3]^	4.5	U	ug/L	1	4.5	5.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
2-Hexanone [591-78-6]^	2.5	U	ug/L	1	2.5	5.0	2H03012	EPA 8260D	08/03/22 17:46	KG	QV-01
4-Methyl-2-pentanone [108-10-1]^	2.5	U	ug/L	1	2.5	5.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
Acetone [67-64-1]^	10	U	ug/L	1	10	20	2H03012	EPA 8260D	08/03/22 17:46	KG	QV-01
Acrylonitrile [107-13-1]^	5.0	U	ug/L	1	5.0	10	2H03012	EPA 8260D	08/03/22 17:46	KG	QL-02
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
Bromochloromethane [74-97-5]^	0.94	U	ug/L	1	0.94	1.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	2H03012	EPA 8260D	08/03/22 17:46	KG	QV-01
Carbon disulfide [75-15-0]^	2.5	U	ug/L	1	2.5	5.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	2H03012	EPA 8260D	08/03/22 17:46	KG	QV-01
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
Dibromochloromethane [124-48-1]^	0.50	U	ug/L	1	0.50	1.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
Dibromomethane [74-95-3]^	0.84	U	ug/L	1	0.84	1.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
Iodomethane [74-88-4]^	2.5	U	ug/L	1	2.5	5.0	2H03012	EPA 8260D	08/03/22 17:46	KG	QL-02
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
Methylene chloride [75-09-2]^	2.5	U	ug/L	1	2.5	5.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
Styrene [100-42-5]^	0.61	U	ug/L	1	0.61	1.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
trans-1,4-Dichloro-2-butene [110-57-6]^	0.79	U	ug/L	1	0.79	1.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
Vinyl acetate [108-05-4]^	2.5	U	ug/L	1	2.5	5.0	2H03012	EPA 8260D	08/03/22 17:46	KG	QV-01
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	2H03012	EPA 8260D	08/03/22 17:46	KG	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	2H03012	EPA 8260D	08/03/22 17:46	KG	

ANALYTICAL RESULTS

Description: MW-11 **Lab Sample ID:** AF05754-01 **Received:** 08/03/22 09:50
Matrix: Ground Water **Sampled:** 08/02/22 11:47 **Work Order:** AF05754
Project: Citrus Co. LF **Sampled By:** Royce Gamble

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*82 %*	*41-142*	*2H03012*	*EPA 8260D*	*08/03/22 17:46*	*KG*	
Dibromofluoromethane	*45*	*1*	*50.0*	*90 %*	*53-146*	*2H03012*	*EPA 8260D*	*08/03/22 17:46*	*KG*	
Toluene-d8	*42*	*1*	*50.0*	*85 %*	*41-146*	*2H03012*	*EPA 8260D*	*08/03/22 17:46*	*KG*	

Semivolatile Organic Compounds by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8]^	0.012	U	ug/L	1	0.012	0.020	2H11001	EPA 8011	08/11/22 10:59	FCV	
1,2-Dibromoethane [106-93-4]^	0.010	U	ug/L	1	0.010	0.020	2H11001	EPA 8011	08/11/22 10:59	FCV	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane	*0.22*	*1*	*0.250*	*90 %*	*70-130*	*2H11001*	*EPA 8011*	*08/11/22 10:59*	*FCV*	

Metals by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6]^	0.0230	U	ug/L	1	0.0230	0.200	2H03039	EPA 7470A	08/05/22 09:39	JMA	

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0]^	2.50	U	ug/L	1	2.50	5.00	2H03046	EPA 6020B	08/08/22 10:41	JMA	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	2H03046	EPA 6020B	08/08/22 10:41	JMA	
Barium [7440-39-3]^	50.0	U	ug/L	1	50.0	100	2H03046	EPA 6020B	08/08/22 10:41	JMA	
Beryllium [7440-41-7]^	0.940	U	ug/L	1	0.940	1.00	2H03046	EPA 6020B	08/08/22 10:41	JMA	
Cadmium [7440-43-9]^	2.00	U	ug/L	1	2.00	5.00	2H03046	EPA 6020B	08/08/22 10:41	JMA	
Chromium [7440-47-3]^	5.00	U	ug/L	1	5.00	10.0	2H03046	EPA 6020B	08/08/22 10:41	JMA	
Cobalt [7440-48-4]^	5.00	U	ug/L	1	5.00	10.0	2H03046	EPA 6020B	08/08/22 10:41	JMA	
Copper [7440-50-8]^	2.50	U	ug/L	1	2.50	10.0	2H03046	EPA 6020B	08/08/22 10:41	JMA	
Iron [7439-89-6]^	**82.2**	I	ug/L	1	50.0	250	2H03046	EPA 6020B	08/08/22 10:41	JMA	
Lead [7439-92-1]^	2.50	U	ug/L	1	2.50	5.00	2H03046	EPA 6020B	08/08/22 10:41	JMA	
Nickel [7440-02-0]^	5.00	U	ug/L	1	5.00	10.0	2H03046	EPA 6020B	08/08/22 10:41	JMA	
Selenium [7782-49-2]^	6.50	U	ug/L	1	6.50	10.0	2H03046	EPA 6020B	08/08/22 10:41	JMA	
Silver [7440-22-4]^	0.500	U	ug/L	1	0.500	1.00	2H03046	EPA 6020B	08/08/22 10:41	JMA	
Sodium [7440-23-5]^	**5.09**		mg/L	1	0.320	1.00	2H03046	EPA 6020B	08/08/22 10:41	JMA	
Thallium [7440-28-0]^	**1.02**		ug/L	1	0.600	1.00	2H03046	EPA 6020B	08/08/22 10:41	JMA	
Vanadium [7440-62-2]^	5.00	U	ug/L	1	5.00	10.0	2H03046	EPA 6020B	08/08/22 10:41	JMA	
Zinc [7440-66-6]^	75.0	U	ug/L	1	75.0	200	2H03046	EPA 6020B	08/08/22 10:41	JMA	

ANALYTICAL RESULTS

Description: MW-11 **Lab Sample ID:** AF05754-01 **Received:** 08/03/22 09:50

Matrix: Ground Water **Sampled:** 08/02/22 11:47 **Work Order:** AF05754

Project: Citrus Co. LF **Sampled By:** Royce Gamble

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	0.0098	U	mg/L	1	0.0098	0.020	2H04014	EPA 350.1	08/08/22 08:54	cbarr	
Chloride [16887-00-6]^	**6.8**		mg/L	1	0.29	5.0	2H03027	EPA 300.0	08/03/22 17:08	ASR	
Nitrate as N [14797-55-8]^	**1.4**		mg/L	1	0.052	1.0	2H03027	EPA 300.0	08/03/22 17:08	ASR	
Total Dissolved Solids^	**240**		mg/L	1	10	10	2H03045	SM 2540C-2011	08/05/22 14:00	LAM	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	**98.63**		Ft	1			2H08019	Field	08/02/22 11:47	DMC	
Dissolved Oxygen	**0.73**		mg/L	1	0	0	2H08019	Field	08/02/22 11:47	DMC	
Oxidation/Reduction Potential	**221.3**		mV	1	-999	-999	2H08019	Field	08/02/22 11:47	DMC	
pH	**6.77**		pH Units	1			2H08019	Field	08/02/22 11:47	DMC	
Specific Conductance (EC)	**493**		umhos/cm	1	0	0	2H08019	Field	08/02/22 11:47	DMC	
Temperature	**24.3**		°C	1	0	0	2H08019	Field	08/02/22 11:47	DMC	
Turbidity	**4.29**		NTU	1	0	0	2H08019	Field	08/02/22 11:47	DMC	
Water Elevation	**6.06**		Ft	1			2H08019	Field	08/02/22 11:47	DMC	

ANALYTICAL RESULTS

Description: MW-12 **Lab Sample ID:** AF05754-02 **Received:** 08/03/22 09:50

Matrix: Ground Water **Sampled:** 08/02/22 13:00 **Work Order:** AF05754

Project: Citrus Co. LF **Sampled By:** Royce Gamble

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.61	U	ug/L	1	0.61	1.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
1,2,3-Trichloropropane [96-18-4]^	0.64	U	ug/L	1	0.64	1.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
2-Butanone [78-93-3]^	4.5	U	ug/L	1	4.5	5.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
2-Hexanone [591-78-6]^	2.5	U	ug/L	1	2.5	5.0	2H03012	EPA 8260D	08/03/22 18:14	KG	QV-01
4-Methyl-2-pentanone [108-10-1]^	2.5	U	ug/L	1	2.5	5.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
Acetone [67-64-1]^	10	U	ug/L	1	10	20	2H03012	EPA 8260D	08/03/22 18:14	KG	QV-01
Acrylonitrile [107-13-1]^	5.0	U	ug/L	1	5.0	10	2H03012	EPA 8260D	08/03/22 18:14	KG	QL-02
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
Bromochloromethane [74-97-5]^	0.94	U	ug/L	1	0.94	1.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	2H03012	EPA 8260D	08/03/22 18:14	KG	QV-01
Carbon disulfide [75-15-0]^	2.5	U	ug/L	1	2.5	5.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	2H03012	EPA 8260D	08/03/22 18:14	KG	QV-01
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
Dibromochloromethane [124-48-1]^	0.50	U	ug/L	1	0.50	1.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
Dibromomethane [74-95-3]^	0.84	U	ug/L	1	0.84	1.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
Iodomethane [74-88-4]^	2.5	U	ug/L	1	2.5	5.0	2H03012	EPA 8260D	08/03/22 18:14	KG	QL-02
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
Methylene chloride [75-09-2]^	2.5	U	ug/L	1	2.5	5.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
Styrene [100-42-5]^	0.61	U	ug/L	1	0.61	1.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
trans-1,4-Dichloro-2-butene [110-57-6]^	0.79	U	ug/L	1	0.79	1.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
Vinyl acetate [108-05-4]^	2.5	U	ug/L	1	2.5	5.0	2H03012	EPA 8260D	08/03/22 18:14	KG	QV-01
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	2H03012	EPA 8260D	08/03/22 18:14	KG	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	2H03012	EPA 8260D	08/03/22 18:14	KG	

ANALYTICAL RESULTS

Description: MW-12 | **Lab Sample ID:** AF05754-02 | **Received:** 08/03/22 09:50
Matrix: Ground Water | **Sampled:** 08/02/22 13:00 | **Work Order:** AF05754
Project: Citrus Co. LF | **Sampled By:** Royce Gamble

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	*40*	*1*	*50.0*	*81 %*	*41-142*	*2H03012*	*EPA 8260D*	*08/03/22 18:14*	*KG*	
Dibromofluoromethane	*44*	*1*	*50.0*	*88 %*	*53-146*	*2H03012*	*EPA 8260D*	*08/03/22 18:14*	*KG*	
Toluene-d8	*42*	*1*	*50.0*	*83 %*	*41-146*	*2H03012*	*EPA 8260D*	*08/03/22 18:14*	*KG*	

Semivolatile Organic Compounds by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8]^	0.012	U	ug/L	1	0.012	0.020	2H11001	EPA 8011	08/11/22 11:15	FCV	
1,2-Dibromoethane [106-93-4]^	0.010	U	ug/L	1	0.010	0.020	2H11001	EPA 8011	08/11/22 11:15	FCV	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane	*0.22*	*1*	*0.250*	*89 %*	*70-130*	*2H11001*	*EPA 8011*	*08/11/22 11:15*	*FCV*	

Metals by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6]^	0.0230	U	ug/L	1	0.0230	0.200	2H03039	EPA 7470A	08/05/22 09:42	JMA	

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0]^	2.50	U	ug/L	1	2.50	5.00	2H03046	EPA 6020B	08/08/22 11:29	JMA	
Arsenic [7440-38-2]^	6.10	U	ug/L	1	6.10	10.0	2H03046	EPA 6020B	08/08/22 11:29	JMA	
Barium [7440-39-3]^	50.0	U	ug/L	1	50.0	100	2H03046	EPA 6020B	08/08/22 11:29	JMA	
Beryllium [7440-41-7]^	0.940	U	ug/L	1	0.940	1.00	2H03046	EPA 6020B	08/08/22 11:29	JMA	
Cadmium [7440-43-9]^	2.00	U	ug/L	1	2.00	5.00	2H03046	EPA 6020B	08/08/22 11:29	JMA	
Chromium [7440-47-3]^	5.00	U	ug/L	1	5.00	10.0	2H03046	EPA 6020B	08/08/22 11:29	JMA	
Cobalt [7440-48-4]^	5.00	U	ug/L	1	5.00	10.0	2H03046	EPA 6020B	08/08/22 11:29	JMA	
Copper [7440-50-8]^	2.50	U	ug/L	1	2.50	10.0	2H03046	EPA 6020B	08/08/22 11:29	JMA	
Iron [7439-89-6]^	**8600**		ug/L	1	50.0	250	2H03046	EPA 6020B	08/08/22 11:29	JMA	
Lead [7439-92-1]^	2.50	U	ug/L	1	2.50	5.00	2H03046	EPA 6020B	08/08/22 11:29	JMA	
Nickel [7440-02-0]^	5.00	U	ug/L	1	5.00	10.0	2H03046	EPA 6020B	08/08/22 11:29	JMA	
Selenium [7782-49-2]^	6.50	U	ug/L	1	6.50	10.0	2H03046	EPA 6020B	08/08/22 11:29	JMA	
Silver [7440-22-4]^	0.500	U	ug/L	1	0.500	1.00	2H03046	EPA 6020B	08/08/22 11:29	JMA	
Sodium [7440-23-5]^	**4.33**		mg/L	1	0.320	1.00	2H03046	EPA 6020B	08/08/22 11:29	JMA	
Thallium [7440-28-0]^	0.600	U	ug/L	1	0.600	1.00	2H03046	EPA 6020B	08/08/22 11:29	JMA	
Vanadium [7440-62-2]^	5.00	U	ug/L	1	5.00	10.0	2H03046	EPA 6020B	08/08/22 11:29	JMA	
Zinc [7440-66-6]^	75.0	U	ug/L	1	75.0	200	2H03046	EPA 6020B	08/08/22 11:29	JMA	

ANALYTICAL RESULTS

Description: MW-12 **Lab Sample ID:** AF05754-02 **Received:** 08/03/22 09:50

Matrix: Ground Water **Sampled:** 08/02/22 13:00 **Work Order:** AF05754

Project: Citrus Co. LF **Sampled By:** Royce Gamble

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	**1.1**		mg/L	1	0.0098	0.020	2H04014	EPA 350.1	08/08/22 08:55	cbarr	
Chloride [16887-00-6]^	**4.3**	I	mg/L	1	0.29	5.0	2H03027	EPA 300.0	08/03/22 17:23	ASR	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	2H03027	EPA 300.0	08/03/22 17:23	ASR	
Total Dissolved Solids^	**330**		mg/L	1	10	10	2H03045	SM 2540C-2011	08/05/22 14:00	LAM	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	**96.78**		Ft	1			2H08019	Field	08/02/22 13:00	DMC	
Dissolved Oxygen	**0.12**		mg/L	1	0	0	2H08019	Field	08/02/22 13:00	DMC	
Oxidation/Reduction Potential	**-42.3**		mV	1	-999	-999	2H08019	Field	08/02/22 13:00	DMC	
pH	**6.52**		pH Units	1			2H08019	Field	08/02/22 13:00	DMC	
Specific Conductance (EC)	**652**		umhos/cm	1	0	0	2H08019	Field	08/02/22 13:00	DMC	
Temperature	**24.8**		°C	1	0	0	2H08019	Field	08/02/22 13:00	DMC	
Turbidity	**2.50**		NTU	1	0	0	2H08019	Field	08/02/22 13:00	DMC	
Water Elevation	**6.58**		Ft	1			2H08019	Field	08/02/22 13:00	DMC	

ANALYTICAL RESULTS

Description: MW-20 (c) **Lab Sample ID:** AF05754-03 **Received:** 08/03/22 09:50

Matrix: Ground Water **Sampled:** 08/02/22 14:58 **Work Order:** AF05754

Project: Citrus Co. LF **Sampled By:** Royce Gamble

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.61	U	ug/L	1	0.61	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
1,1-Dichloropropene [563-58-6]^	0.74	U	ug/L	1	0.74	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
1,2,3-Trichloropropane [96-18-4]^	0.64	U	ug/L	1	0.64	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
1,2,4-Trichlorobenzene [120-82-1]^	0.70	U	ug/L	1	0.70	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
1,3-Dichloropropane [142-28-9]^	0.60	U	ug/L	1	0.60	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
2,2-Dichloropropane [594-20-7]^	0.66	U	ug/L	1	0.66	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
2-Butanone [78-93-3]^	4.5	U	ug/L	1	4.5	5.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
2-Hexanone [591-78-6]^	2.5	U	ug/L	1	2.5	5.0	2H03012	EPA 8260D	08/03/22 19:12	KG	QV-01
3-Chloropropene [107-05-1]^	1.0	U	ug/L	1	1.0	2.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
4-Methyl-2-pentanone [108-10-1]^	2.5	U	ug/L	1	2.5	5.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
Acetone [67-64-1]^	10	U	ug/L	1	10	20	2H03012	EPA 8260D	08/03/22 19:12	KG	QV-01
Acetonitrile [75-05-8]^	8.5	U	ug/L	1	8.5	10	2H03012	EPA 8260D	08/03/22 19:12	KG	
Acrolein [107-02-8]^	6.4	U	ug/L	1	6.4	10	2H03012	EPA 8260D	08/03/22 19:12	KG	
Acrylonitrile [107-13-1]^	5.0	U	ug/L	1	5.0	10	2H03012	EPA 8260D	08/03/22 19:12	KG	QL-02
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
Bromochloromethane [74-97-5]^	0.94	U	ug/L	1	0.94	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	QV-01
Carbon disulfide [75-15-0]^	2.5	U	ug/L	1	2.5	5.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	QV-01
Chloroform [67-66-3]^	**2.7**		ug/L	1	0.80	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
Chloroprene [126-99-8]^	0.66	U	ug/L	1	0.66	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
Dibromochloromethane [124-48-1]^	0.50	U	ug/L	1	0.50	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
Dibromomethane [74-95-3]^	0.84	U	ug/L	1	0.84	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	QV-01
Ethyl Methacrylate [97-63-2]^	0.54	U	ug/L	1	0.54	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
Hexachlorobutadiene [87-68-3]^	0.70	U	ug/L	1	0.70	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
Iodomethane [74-88-4]^	2.5	U	ug/L	1	2.5	5.0	2H03012	EPA 8260D	08/03/22 19:12	KG	QL-02
Isobutyl alcohol [78-83-1]^	14	U	ug/L	1	14	50	2H03012	EPA 8260D	08/03/22 19:12	KG	QL-02
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	2H03012	EPA 8260D	08/03/22 19:12	KG	

ANALYTICAL RESULTS

Description: MW-20 (c) | **Lab Sample ID:** AF05754-03 | **Received:** 08/03/22 09:50
Matrix: Ground Water | **Sampled:** 08/02/22 14:58 | **Work Order:** AF05754
Project: Citrus Co. LF | **Sampled By:** Royce Gamble

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methacrylonitrile [126-98-7]^	5.0	U	ug/L	1	5.0	10	2H03012	EPA 8260D	08/03/22 19:12	KG	
Methyl Methacrylate [80-62-6]^	0.68	U	ug/L	1	0.68	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
Methylene chloride [75-09-2]^	2.5	U	ug/L	1	2.5	5.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
Naphthalene [91-20-3]^	0.82	U	ug/L	1	0.82	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
Propionitrile [107-12-0]^	5.0	U	ug/L	1	5.0	10	2H03012	EPA 8260D	08/03/22 19:12	KG	
Styrene [100-42-5]^	0.61	U	ug/L	1	0.61	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
trans-1,4-Dichloro-2-butene [110-57-6]^	0.79	U	ug/L	1	0.79	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
Vinyl acetate [108-05-4]^	2.5	U	ug/L	1	2.5	5.0	2H03012	EPA 8260D	08/03/22 19:12	KG	QV-01
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	2H03012	EPA 8260D	08/03/22 19:12	KG	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	2H03012	EPA 8260D	08/03/22 19:12	KG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*40*	*1*	*50.0*	*80 %*	*41-142*	*2H03012*	*EPA 8260D*	*08/03/22 19:12*	*KG*	
Dibromofluoromethane	*44*	*1*	*50.0*	*87 %*	*53-146*	*2H03012*	*EPA 8260D*	*08/03/22 19:12*	*KG*	
Toluene-d8	*41*	*1*	*50.0*	*82 %*	*41-146*	*2H03012*	*EPA 8260D*	*08/03/22 19:12*	*KG*	

Semivolatile Organic Compounds by GCMS SIM

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2,4,5-Tetrachlorobenzene [95-94-3]^	3.2	U	ug/L	1	3.2	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
1,3,5-Trinitrobenzene [99-35-4]^	5.1	U	ug/L	1	5.1	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
1,3-Dinitrobenzene [99-65-0]^	3.6	U	ug/L	1	3.6	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
1,4-Naphthoquinone [130-15-4]^	4.7	U	ug/L	1	4.7	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
1,4-Phenylenediamine [106-50-3]^	3.3	U	ug/L	1	3.3	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
1-Methylnaphthalene [90-12-0]^	0.050	U	ug/L	1	0.050	0.10	2H09006	EPA 8270E	08/10/22 22:22	jfi	
1-Naphthylamine [134-32-7]^	2.3	U	ug/L	1	2.3	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
2,3,4,6-Tetrachlorophenol [58-90-2]^	3.4	U	ug/L	1	3.4	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
2,4,5-Trichlorophenol [95-95-4]^	3.9	U	ug/L	1	3.9	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	QL-02
2,4,6-Trichlorophenol [88-06-2]^	6.4	U	ug/L	1	6.4	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
2,4-Dichlorophenol [120-83-2]^	6.5	U	ug/L	1	6.5	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
2,4-Dimethylphenol [105-67-9]^	6.4	U	ug/L	1	6.4	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
2,4-Dinitrophenol [51-28-5]^	7.7	U	ug/L	1	7.7	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
2,4-Dinitrotoluene [SIM] [121-14-2]^	0.038	U	ug/L	1	0.038	0.10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
2,6-Dichlorophenol [87-65-0]^	3.8	U	ug/L	1	3.8	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
2,6-Dinitrotoluene [606-20-2]^	2.9	U	ug/L	1	2.9	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
2-Acetylaminofluorene [53-96-3]^	3.9	U	ug/L	1	3.9	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
2-Chloronaphthalene [91-58-7]^	3.2	U	ug/L	1	3.2	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	QL-02
2-Chlorophenol [95-57-8]^	7.4	U	ug/L	1	7.4	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	QL-02
2-Methyl-4,6-dinitrophenol [534-52-1]^	6.0	U	ug/L	1	6.0	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
2-Methylnaphthalene [91-57-6]^	0.050	U	ug/L	1	0.050	0.10	2H09006	EPA 8270E	08/10/22 22:22	jfi	

ANALYTICAL RESULTS

Description: MW-20 (c) **Lab Sample ID:** AF05754-03 **Received:** 08/03/22 09:50

Matrix: Ground Water **Sampled:** 08/02/22 14:58 **Work Order:** AF05754

Project: Citrus Co. LF **Sampled By:** Royce Gamble

Semivolatile Organic Compounds by GCMS SIM

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2-Methylphenol [95-48-7]^	3.5	U	ug/L	1	3.5	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
2-Naphthylamine [91-59-8]^	2.3	U	ug/L	1	2.3	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
2-Nitroaniline [88-74-4]^	3.3	U	ug/L	1	3.3	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
2-Nitrophenol [88-75-5]^	5.2	U	ug/L	1	5.2	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
3 & 4-Methylphenol [108-39-4/106-44-5]^	8.2	U	ug/L	1	8.2	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
3,3'-Dichlorobenzidine [91-94-1]^	3.3	U	ug/L	1	3.3	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
3,3'-Dimethylbenzidine [119-93-7]^	3.6	U	ug/L	1	3.6	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
3-Methylcholanthrene [56-49-5]^	3.0	U	ug/L	1	3.0	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
3-Nitroaniline [99-09-2]^	3.3	U	ug/L	1	3.3	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
4-Aminobiphenyl [92-67-1]^	2.6	U	ug/L	1	2.6	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
4-Bromophenyl-phenylether [101-55-3]^	3.3	U	ug/L	1	3.3	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
4-Chloro-3-methylphenol [59-50-7]^	7.3	U	ug/L	1	7.3	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
4-Chloroaniline [106-47-8]^	4.3	U	ug/L	1	4.3	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
4-Chlorophenyl-phenylether [7005-72-3]^	3.2	U	ug/L	1	3.2	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
4-Nitroaniline [100-01-6]^	3.2	U	ug/L	1	3.2	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
4-Nitrophenol [100-02-7]^	7.9	U	ug/L	1	7.9	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	QL-02, QV-01
5-Nitro-o-toluidine [99-55-8]^	2.3	U	ug/L	1	2.3	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
7,12-Dimethylbenz(a)anthracene [57-97-6]^	3.3	U	ug/L	1	3.3	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
Acenaphthene [83-32-9]^	0.050	U	ug/L	1	0.050	0.10	2H09006	EPA 8270E	08/10/22 22:22	jfi	
Acenaphthylene [208-96-8]^	0.050	U	ug/L	1	0.050	0.10	2H09006	EPA 8270E	08/10/22 22:22	jfi	
Acetophenone [98-86-2]^	3.8	U	ug/L	1	3.8	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
Anthracene [120-12-7]^	0.050	U	ug/L	1	0.050	0.10	2H09006	EPA 8270E	08/10/22 22:22	jfi	
Benzo(a)anthracene [56-55-3]^	0.050	U	ug/L	1	0.050	0.10	2H09006	EPA 8270E	08/10/22 22:22	jfi	
Benzo(a)pyrene [50-32-8]^	0.050	U	ug/L	1	0.050	0.10	2H09006	EPA 8270E	08/10/22 22:22	jfi	
Benzo(b)fluoranthene [205-99-2]^	0.059	U	ug/L	1	0.059	0.10	2H09006	EPA 8270E	08/10/22 22:22	jfi	
Benzo(g,h,i)perylene [191-24-2]^	0.050	U	ug/L	1	0.050	0.10	2H09006	EPA 8270E	08/10/22 22:22	jfi	
Benzo(k)fluoranthene [207-08-9]^	0.050	U	ug/L	1	0.050	0.10	2H09006	EPA 8270E	08/10/22 22:22	jfi	
Benzyl alcohol [100-51-6]^	3.9	U	ug/L	1	3.9	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
Bis(2-chloroethoxy)methane [111-91-1]^	3.3	U	ug/L	1	3.3	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
Bis(2-chloroethyl)ether [111-44-4]^	3.8	U	ug/L	1	3.8	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
Bis(2-chloroisopropyl)ether [108-60-1]^	3.5	U	ug/L	1	3.5	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	QL-02, QV-01
Bis(2-ethylhexyl)phthalate [117-81-7]^	3.5	U	ug/L	1	3.5	5.0	2H08015	EPA 8270E	08/23/22 13:56	jfi	
Butylbenzylphthalate [85-68-7]^	5.1	U	ug/L	1	5.1	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
Chlorobenzilate [SIM] [510-15-6]^	0.029	U	ug/L	1	0.029	0.10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
Chrysene [218-01-9]^	0.051	U	ug/L	1	0.051	0.10	2H09006	EPA 8270E	08/10/22 22:22	jfi	
Diallate [SIM] [2303-16-4]^	0.030	U	ug/L	1	0.030	0.10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
Dibenzo(a,h)anthracene [53-70-3]^	0.052	U	ug/L	1	0.052	0.10	2H09006	EPA 8270E	08/10/22 22:22	jfi	
Dibenzofuran [132-64-9]^	2.8	U	ug/L	1	2.8	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	QL-02
Diethylphthalate [84-66-2]^	3.0	U	ug/L	1	3.0	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
Dimethoate [SIM] [60-51-5]^	0.043	U	ug/L	1	0.043	0.10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
Dimethylphthalate [131-11-3]^	3.0	U	ug/L	1	3.0	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	QL-02
Di-n-butylphthalate [84-74-2]^	3.2	U	ug/L	1	3.2	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
Di-n-octylphthalate [117-84-0]^	3.6	U	ug/L	1	3.6	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
Disulfoton [SIM] [298-04-4]^	0.062	U	ug/L	1	0.062	0.10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
Ethyl methanesulfonate [62-50-0]^	3.3	U	ug/L	1	3.3	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	

ANALYTICAL RESULTS

Description: MW-20 (c) **Lab Sample ID:** AF05754-03 **Received:** 08/03/22 09:50
Matrix: Ground Water **Sampled:** 08/02/22 14:58 **Work Order:** AF05754
Project: Citrus Co. LF **Sampled By:** Royce Gamble

Semivolatile Organic Compounds by GCMS SIM

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Famphur [SIM] [52-85-7]^	0.052	U	ug/L	1	0.052	0.10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
Fluoranthene [206-44-0]^	0.051	U	ug/L	1	0.051	0.10	2H09006	EPA 8270E	08/10/22 22:22	jfi	
Fluorene [86-73-7]^	0.050	U	ug/L	1	0.050	0.10	2H09006	EPA 8270E	08/10/22 22:22	jfi	
Hexachlorobenzene [SIM] [118-74-1]^	0.027	U	ug/L	1	0.027	0.10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
Hexachlorobutadiene [SIM] [87-68-3]^	0.045	U	ug/L	1	0.045	0.10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
Hexachlorocyclopentadiene [77-47-4]^	3.8	U	ug/L	1	3.8	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
Hexachloroethane [67-72-1]^	3.0	U	ug/L	1	3.0	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
Hexachloropropene [1888-71-7]^	3.3	U	ug/L	1	3.3	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
Indeno(1,2,3-cd)pyrene [193-39-5]^	0.050	U	ug/L	1	0.050	0.10	2H09006	EPA 8270E	08/10/22 22:22	jfi	
Isodrin [465-73-6]^	3.0	U	ug/L	1	3.0	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
Isophorone [78-59-1]^	4.5	U	ug/L	1	4.5	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	QL-02
Isosafrole [120-58-1]^	2.6	U	ug/L	1	2.6	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
Kepone [SIM] [143-50-0]^	3.3	U	ug/L	1	3.3	5.0	2H08015	EPA 8270E	08/23/22 13:56	jfi	QV-01
Methapyrilene [91-80-5]^	3.4	U	ug/L	1	3.4	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
Methyl Methanesulfonate [66-27-3]^	3.4	U	ug/L	1	3.4	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
Methyl Parathion [SIM] [298-00-0]^	0.061	U	ug/L	1	0.061	0.10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
Naphthalene [91-20-3]^	0.050	U	ug/L	1	0.050	0.10	2H09006	EPA 8270E	08/10/22 22:22	jfi	
Nitrobenzene [98-95-3]^	3.2	U	ug/L	1	3.2	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
N-Nitrosodiethylamine [55-18-5]^	3.9	U	ug/L	1	3.9	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
N-Nitrosodimethylamine [62-75-9]^	3.8	U	ug/L	1	3.8	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
N-Nitrosodi-n-butylamine [924-16-3]^	4.5	U	ug/L	1	4.5	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
N-Nitroso-di-n-propylamine [621-64-7]^	4.5	U	ug/L	1	4.5	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4]^	5.4	U	ug/L	1	5.4	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
N-Nitrosomethylethylamine [10595-95-6]^	3.7	U	ug/L	1	3.7	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
N-Nitrosopiperidine [100-75-4]^	3.9	U	ug/L	1	3.9	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
N-Nitrosopyrrolidine [930-55-2]^	4.2	U	ug/L	1	4.2	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
O,O,O-Triethyl phosphorothioate [126-68-1]^	3.5	U	ug/L	1	3.5	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
o-Toluidine [95-53-4]^	3.4	U	ug/L	1	3.4	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
Parathion [56-38-2]^	1.2	U	ug/L	1	1.2	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
p-Dimethylaminoazobenzene [60-11-7]^	3.4	U	ug/L	1	3.4	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
Pentachlorobenzene [SIM] [608-93-5]^	0.034	U	ug/L	1	0.034	0.10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
Pentachloronitrobenzene [SIM] [82-68-8]^	0.047	U	ug/L	1	0.047	0.10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
Phenacetin [62-44-2]^	2.7	U	ug/L	1	2.7	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
Phenanthrene [85-01-8]^	0.050	U	ug/L	1	0.050	0.10	2H09006	EPA 8270E	08/10/22 22:22	jfi	
Phenol [108-95-2]^	5.6	U	ug/L	1	5.6	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	QL-02
Phorate [SIM] [298-02-2]^	0.070	U	ug/L	1	0.070	0.10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
Pronamide [23950-58-5]^	4.3	U	ug/L	1	4.3	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
Pyrene [129-00-0]^	0.050	U	ug/L	1	0.050	0.10	2H09006	EPA 8270E	08/10/22 22:22	jfi	
Safrole [94-59-7]^	4.8	U	ug/L	1	4.8	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	
Thionazin [297-97-2]^	2.8	U	ug/L	1	2.8	10	2H08015	EPA 8270E	08/23/22 13:56	jfi	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*23*	*1*	*50.0*	*47 %*	*33-145*	*2H08015*	*EPA 8270E*	*08/23/22 13:56*	*jfi*	
2-Fluorobiphenyl	*32*	*1*	*50.0*	*65 %*	*32-116*	*2H08015*	*EPA 8270E*	*08/23/22 13:56*	*jfi*	
2-Fluorophenol	*11*	*1*	*50.0*	*21 %*	*11-100*	*2H08015*	*EPA 8270E*	*08/23/22 13:56*	*jfi*	
2-Methylnaphthalene-d10	*4.7*	*1*	*5.71*	*81 %*	*50-150*	*2H09006*	*EPA 8270E*	*08/10/22 22:22*	*jfi*	

ANALYTICAL RESULTS

Description: MW-20 (c) | **Lab Sample ID:** AF05754-03 | **Received:** 08/03/22 09:50
Matrix: Ground Water | **Sampled:** 08/02/22 14:58 | **Work Order:** AF05754
Project: Citrus Co. LF | **Sampled By:** Royce Gamble

Semivolatile Organic Compounds by GCMS SIM

^ - ENCO Orlando certified analyte [NELAC E83182]

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
Fluoranthene-d10	*4.9*	*1*	*5.71*	*85 %*	*50-150*	*2H09006*	*EPA 8270E*	*08/10/22 22:22*	*jfi*	
Nitrobenzene-d5	*25*	*1*	*50.0*	*51 %*	*24-107*	*2H08015*	*EPA 8270E*	*08/23/22 13:56*	*jfi*	
Phenol-d5	*6.2*	*1*	*50.0*	*12 %*	*10-100*	*2H08015*	*EPA 8270E*	*08/23/22 13:56*	*jfi*	
Terphenyl-d14	*39*	*1*	*50.0*	*78 %*	*52-150*	*2H08015*	*EPA 8270E*	*08/23/22 13:56*	*jfi*	

Organochlorine Pesticides by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8]^	0.027	U	ug/L	1	0.027	0.067	2H09007	EPA 8081B	08/11/22 15:06	JJB	
4,4'-DDE [72-55-9]^	0.048	U	ug/L	1	0.048	0.067	2H09007	EPA 8081B	08/11/22 15:06	JJB	
4,4'-DDT [50-29-3]^	0.033	U	ug/L	1	0.033	0.067	2H09007	EPA 8081B	08/11/22 15:06	JJB	
Aldrin [309-00-2]^	0.043	U	ug/L	1	0.043	0.067	2H09007	EPA 8081B	08/11/22 15:06	JJB	
alpha-BHC [319-84-6]^	0.035	U	ug/L	1	0.035	0.067	2H09007	EPA 8081B	08/11/22 15:06	JJB	
beta-BHC [319-85-7]^	0.048	U	ug/L	1	0.048	0.067	2H09007	EPA 8081B	08/11/22 15:06	JJB	
Chlordane (tech) [12789-03-6]^	0.48	U	ug/L	1	0.48	0.67	2H09007	EPA 8081B	08/11/22 15:06	JJB	
Chlordane-alpha [5103-71-9]^	0.029	U	ug/L	1	0.029	0.067	2H09007	EPA 8081B	08/11/22 15:06	JJB	
Chlordane-gamma [5103-74-2]^	0.032	U	ug/L	1	0.032	0.067	2H09007	EPA 8081B	08/11/22 15:06	JJB	
delta-BHC [319-86-8]^	0.025	U	ug/L	1	0.025	0.067	2H09007	EPA 8081B	08/11/22 15:06	JJB	
Dieldrin [60-57-1]^	0.023	U	ug/L	1	0.023	0.067	2H09007	EPA 8081B	08/11/22 15:06	JJB	
Endosulfan I [959-98-8]^	0.021	U	ug/L	1	0.021	0.067	2H09007	EPA 8081B	08/11/22 15:06	JJB	
Endosulfan II [33213-65-9]^	0.023	U	ug/L	1	0.023	0.067	2H09007	EPA 8081B	08/11/22 15:06	JJB	
Endosulfan sulfate [1031-07-8]^	0.027	U	ug/L	1	0.027	0.067	2H09007	EPA 8081B	08/11/22 15:06	JJB	
Endrin [72-20-8]^	0.019	U	ug/L	1	0.019	0.067	2H09007	EPA 8081B	08/11/22 15:06	JJB	
Endrin aldehyde [7421-93-4]^	0.027	U	ug/L	1	0.027	0.067	2H09007	EPA 8081B	08/11/22 15:06	JJB	
gamma-BHC [58-89-9]^	0.028	U	ug/L	1	0.028	0.067	2H09007	EPA 8081B	08/11/22 15:06	JJB	
Heptachlor [76-44-8]^	0.035	U	ug/L	1	0.035	0.067	2H09007	EPA 8081B	08/11/22 15:06	JJB	
Heptachlor epoxide [1024-57-3]^	0.024	U	ug/L	1	0.024	0.067	2H09007	EPA 8081B	08/11/22 15:06	JJB	
Methoxychlor [72-43-5]^	0.027	U	ug/L	1	0.027	0.067	2H09007	EPA 8081B	08/11/22 15:06	JJB	
Toxaphene [8001-35-2]^	0.64	U	ug/L	1	0.64	0.67	2H09007	EPA 8081B	08/11/22 15:06	JJB	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
2,4,5,6-TCMX	*0.73*	*1*	*1.33*	*55 %*	*38-142*	*2H09007*	*EPA 8081B*	*08/11/22 15:06*	*JJB*	
Decachlorobiphenyl	*1.1*	*1*	*1.33*	*84 %*	*34-159*	*2H09007*	*EPA 8081B*	*08/11/22 15:06*	*JJB*	

Polychlorinated Biphenyls by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9]^	0.49	U	ug/L	1	0.49	0.50	2H18014	EPA 8082A	08/23/22 23:29	RGG	
PCB-1221 [11104-28-2]^	0.46	U	ug/L	1	0.46	0.50	2H18014	EPA 8082A	08/23/22 23:29	RGG	
PCB-1232 [11141-16-5]^	0.47	U	ug/L	1	0.47	0.50	2H18014	EPA 8082A	08/23/22 23:29	RGG	
PCB-1248 [12672-29-6]^	0.49	U	ug/L	1	0.49	0.50	2H18014	EPA 8082A	08/23/22 23:29	RGG	
PCB-1254 [11097-69-1]^	0.50	U	ug/L	1	0.50	0.50	2H18014	EPA 8082A	08/23/22 23:29	RGG	
PCB-1260 [11096-82-5]^	0.48	U	ug/L	1	0.48	0.50	2H18014	EPA 8082A	08/23/22 23:29	RGG	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
2,4,5,6-TCMX	*0.85*	*1*	*1.00*	*85 %*	*38-142*	*2H18014*	*EPA 8082A*	*08/23/22 23:29*	*RGG*	
Decachlorobiphenyl	*0.75*	*1*	*1.00*	*75 %*	*34-159*	*2H18014*	*EPA 8082A*	*08/23/22 23:29*	*RGG*	

ANALYTICAL RESULTS

Description: MW-20 (c) | **Lab Sample ID:** AF05754-03 | **Received:** 08/03/22 09:50
Matrix: Ground Water | **Sampled:** 08/02/22 14:58 | **Work Order:** AF05754
Project: Citrus Co. LF | **Sampled By:** Royce Gamble

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2,4,5-T [93-76-5]^	0.28	U	ug/L	1	0.28	0.50	2H08029	EPA 8151A	08/15/22 21:12	FCV	
2,4,5-TP (Silvex) [93-72-1]^	0.44	U	ug/L	1	0.44	0.50	2H08029	EPA 8151A	08/15/22 21:12	FCV	
2,4-D [94-75-7]^	0.27	U	ug/L	1	0.27	0.50	2H08029	EPA 8151A	08/15/22 21:12	FCV	
Dinoseb [88-85-7]^	0.32	U	ug/L	1	0.32	0.50	2H08029	EPA 8151A	08/15/22 21:12	FCV	
Pentachlorophenol [87-86-5]^	0.19	U	ug/L	1	0.19	0.50	2H08029	EPA 8151A	08/15/22 21:12	FCV	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*0.88*	*1*	*2.00*	*44 %*	*37-134*	*2H08029*	*EPA 8151A*	*08/15/22 21:12*	*FCV*	

Semivolatile Organic Compounds by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8]^	0.012	U	ug/L	1	0.012	0.020	2H11001	EPA 8011	08/11/22 11:31	FCV	
1,2-Dibromoethane [106-93-4]^	0.010	U	ug/L	1	0.010	0.020	2H11001	EPA 8011	08/11/22 11:31	FCV	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,1,1,2-Tetrachloroethane	*0.22*	*1*	*0.250*	*88 %*	*70-130*	*2H11001*	*EPA 8011*	*08/11/22 11:31*	*FCV*	

Metals by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6]^	0.0230	U	ug/L	1	0.0230	0.200	2H03039	EPA 7470A	08/05/22 09:45	JMA	

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0]^	**3.45**	I	ug/L	1	2.50	5.00	2H03046	EPA 6020B	08/08/22 11:32	JMA	
Arsenic [7440-38-2]^	**10.2**		ug/L	1	6.10	10.0	2H03046	EPA 6020B	08/08/22 11:32	JMA	
Barium [7440-39-3]^	**60.5**	I	ug/L	1	50.0	100	2H03046	EPA 6020B	08/08/22 11:32	JMA	
Beryllium [7440-41-7]^	0.940	U	ug/L	1	0.940	1.00	2H03046	EPA 6020B	08/08/22 11:32	JMA	
Cadmium [7440-43-9]^	2.00	U	ug/L	1	2.00	5.00	2H03046	EPA 6020B	08/08/22 11:32	JMA	
Chromium [7440-47-3]^	**8.98**	I	ug/L	1	5.00	10.0	2H03046	EPA 6020B	08/08/22 11:32	JMA	
Cobalt [7440-48-4]^	5.00	U	ug/L	1	5.00	10.0	2H03046	EPA 6020B	08/08/22 11:32	JMA	
Copper [7440-50-8]^	**2.71**	I	ug/L	1	2.50	10.0	2H03046	EPA 6020B	08/08/22 11:32	JMA	
Iron [7439-89-6]^	**358**		ug/L	1	50.0	250	2H03046	EPA 6020B	08/08/22 11:32	JMA	
Lead [7439-92-1]^	2.50	U	ug/L	1	2.50	5.00	2H03046	EPA 6020B	08/08/22 11:32	JMA	
Nickel [7440-02-0]^	**11.9**		ug/L	1	5.00	10.0	2H03046	EPA 6020B	08/08/22 11:32	JMA	
Selenium [7782-49-2]^	6.50	U	ug/L	1	6.50	10.0	2H03046	EPA 6020B	08/08/22 11:32	JMA	
Silver [7440-22-4]^	0.500	U	ug/L	1	0.500	1.00	2H03046	EPA 6020B	08/08/22 11:32	JMA	
Sodium [7440-23-5]^	**297**		mg/L	10	3.20	10.0	2H03046	EPA 6020B	08/08/22 13:42	JMA	
Thallium [7440-28-0]^	0.600	U	ug/L	1	0.600	1.00	2H03046	EPA 6020B	08/08/22 11:32	JMA	
Tin [7440-31-5]^	5.00	U	ug/L	1	5.00	50.0	2H03046	EPA 6020B	08/08/22 11:32	JMA	
Vanadium [7440-62-2]^	5.00	U	ug/L	1	5.00	10.0	2H03046	EPA 6020B	08/08/22 11:32	JMA	
Zinc [7440-66-6]^	75.0	U	ug/L	1	75.0	200	2H03046	EPA 6020B	08/08/22 11:32	JMA	

ANALYTICAL RESULTS

Description: MW-20 (c) | **Lab Sample ID:** AF05754-03 | **Received:** 08/03/22 09:50
Matrix: Ground Water | **Sampled:** 08/02/22 14:58 | **Work Order:** AF05754
Project: Citrus Co. LF | **Sampled By:** Royce Gamble

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7]^	**0.059**		mg/L	1	0.0098	0.020	2H04014	EPA 350.1	08/08/22 08:56	cbarr	
Chloride [16887-00-6]^	**13**		mg/L	1	0.29	5.0	2H03027	EPA 300.0	08/03/22 17:39	ASR	
Cyanide (total) [57-12-5]^	0.0067	U	mg/L	1	0.0067	0.010	2H05004	SM 4500CN E-2011	08/05/22 14:00	KEB	
Nitrate as N [14797-55-8]^	0.052	U	mg/L	1	0.052	1.0	2H03027	EPA 300.0	08/03/22 17:39	ASR	
Sulfide [18496-25-8]	0.45	U	mg/L	1	0.45	1.0	2H08024	SM 4500S2 F-2011	08/08/22 08:23	BAR	J-06
Total Dissolved Solids^	**820**		mg/L	1	10	10	2H03045	SM 2540C-2011	08/05/22 14:00	LAM	

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Depth to Water	**113.97**		Ft	1			2H08019	Field	08/02/22 14:58	DMC	
Dissolved Oxygen	**4.27**		mg/L	1	0	0	2H08019	Field	08/02/22 14:58	DMC	
Oxidation/Reduction Potential	**145.7**		mV	1	-999	-999	2H08019	Field	08/02/22 14:58	DMC	
pH	**7.05**		pH Units	1			2H08019	Field	08/02/22 14:58	DMC	
Specific Conductance (EC)	**1270**		umhos/cm	1	0	0	2H08019	Field	08/02/22 14:58	DMC	
Temperature	**29.5**		°C	1	0	0	2H08019	Field	08/02/22 14:58	DMC	
Turbidity	**26.2**		NTU	1	0	0	2H08019	Field	08/02/22 14:58	DMC	

ANALYTICAL RESULTS

Description: TRIP BLANK 2 | **Lab Sample ID:** AF05754-04 | **Received:** 08/03/22 09:50

Matrix: Water | **Sampled:** 08/02/22 00:00 | **Work Order:** AF05754

Project: Citrus Co. LF | **Sampled By:** ENCO

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.61	U	ug/L	1	0.61	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
1,1-Dichloropropene [563-58-6]^	0.74	U	ug/L	1	0.74	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
1,2,3-Trichloropropane [96-18-4]^	0.64	U	ug/L	1	0.64	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
1,2,4-Trichlorobenzene [120-82-1]^	0.70	U	ug/L	1	0.70	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
1,3-Dichloropropane [142-28-9]^	0.60	U	ug/L	1	0.60	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
2,2-Dichloropropane [594-20-7]^	0.66	U	ug/L	1	0.66	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
2-Butanone [78-93-3]^	4.5	U	ug/L	1	4.5	5.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
2-Hexanone [591-78-6]^	2.5	U	ug/L	1	2.5	5.0	2H03012	EPA 8260D	08/03/22 18:43	KG	QV-01
3-Chloropropene [107-05-1]^	1.0	U	ug/L	1	1.0	2.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
4-Methyl-2-pentanone [108-10-1]^	2.5	U	ug/L	1	2.5	5.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
Acetone [67-64-1]^	10	U	ug/L	1	10	20	2H03012	EPA 8260D	08/03/22 18:43	KG	QV-01
Acetonitrile [75-05-8]^	8.5	U	ug/L	1	8.5	10	2H03012	EPA 8260D	08/03/22 18:43	KG	
Acrolein [107-02-8]^	6.4	U	ug/L	1	6.4	10	2H03012	EPA 8260D	08/03/22 18:43	KG	
Acrylonitrile [107-13-1]^	5.0	U	ug/L	1	5.0	10	2H03012	EPA 8260D	08/03/22 18:43	KG	QL-02
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
Bromochloromethane [74-97-5]^	0.94	U	ug/L	1	0.94	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	QV-01
Carbon disulfide [75-15-0]^	2.5	U	ug/L	1	2.5	5.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	QV-01
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
Chloroprene [126-99-8]^	0.66	U	ug/L	1	0.66	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
Dibromochloromethane [124-48-1]^	0.50	U	ug/L	1	0.50	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
Dibromomethane [74-95-3]^	0.84	U	ug/L	1	0.84	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	QV-01
Ethyl Methacrylate [97-63-2]^	0.54	U	ug/L	1	0.54	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
Hexachlorobutadiene [87-68-3]^	0.70	U	ug/L	1	0.70	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
Iodomethane [74-88-4]^	2.5	U	ug/L	1	2.5	5.0	2H03012	EPA 8260D	08/03/22 18:43	KG	QL-02
Isobutyl alcohol [78-83-1]^	14	U	ug/L	1	14	50	2H03012	EPA 8260D	08/03/22 18:43	KG	QL-02
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	2H03012	EPA 8260D	08/03/22 18:43	KG	

ANALYTICAL RESULTS

Description: TRIP BLANK 2 | **Lab Sample ID:** AF05754-04 | **Received:** 08/03/22 09:50

Matrix: Water | **Sampled:** 08/02/22 00:00 | **Work Order:** AF05754

Project: Citrus Co. LF | **Sampled By:** ENCO

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methacrylonitrile [126-98-7]^	5.0	U	ug/L	1	5.0	10	2H03012	EPA 8260D	08/03/22 18:43	KG	
Methyl Methacrylate [80-62-6]^	0.68	U	ug/L	1	0.68	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
Methylene chloride [75-09-2]^	2.5	U	ug/L	1	2.5	5.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
Naphthalene [91-20-3]^	0.82	U	ug/L	1	0.82	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
Propionitrile [107-12-0]^	5.0	U	ug/L	1	5.0	10	2H03012	EPA 8260D	08/03/22 18:43	KG	
Styrene [100-42-5]^	0.61	U	ug/L	1	0.61	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
trans-1,4-Dichloro-2-butene [110-57-6]^	0.79	U	ug/L	1	0.79	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
Vinyl acetate [108-05-4]^	2.5	U	ug/L	1	2.5	5.0	2H03012	EPA 8260D	08/03/22 18:43	KG	QV-01
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	2H03012	EPA 8260D	08/03/22 18:43	KG	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	2H03012	EPA 8260D	08/03/22 18:43	KG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*81 %*	*41-142*	*2H03012*	*EPA 8260D*	*08/03/22 18:43*	*KG*	
Dibromofluoromethane	*45*	*1*	*50.0*	*90 %*	*53-146*	*2H03012*	*EPA 8260D*	*08/03/22 18:43*	*KG*	
Toluene-d8	*42*	*1*	*50.0*	*84 %*	*41-146*	*2H03012*	*EPA 8260D*	*08/03/22 18:43*	*KG*	

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 2H03012 - EPA 5030B_MS

Blank (2H03012-BLK1) Prepared: 08/03/2022 08:18 Analyzed: 08/03/2022 11:02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.61	U	1.0	ug/L							
1,1,1-Trichloroethane	0.80	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.54	U	1.0	ug/L							
1,1,2-Trichloroethane	0.76	U	1.0	ug/L							
1,1-Dichloroethane	0.62	U	1.0	ug/L							
1,1-Dichloroethene	0.94	U	1.0	ug/L							
1,1-Dichloropropene	0.74	U	1.0	ug/L							
1,2,3-Trichloropropane	0.64	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.70	U	1.0	ug/L							
1,2-Dichlorobenzene	0.73	U	1.0	ug/L							
1,2-Dichloroethane	0.63	U	1.0	ug/L							
1,2-Dichloropropane	0.80	U	1.0	ug/L							
1,3-Dichlorobenzene	0.77	U	1.0	ug/L							
1,3-Dichloropropane	0.60	U	1.0	ug/L							
1,4-Dichlorobenzene	0.76	U	1.0	ug/L							
2,2-Dichloropropane	0.66	U	1.0	ug/L							
2-Butanone	4.5	U	5.0	ug/L							
2-Hexanone	2.5	U	5.0	ug/L							
3-Chloropropene	1.0	U	2.0	ug/L							
4-Methyl-2-pentanone	2.5	U	5.0	ug/L							
Acetone	10	U	20	ug/L							
Acetonitrile	8.5	U	10	ug/L							
Acrolein	6.4	U	10	ug/L							
Acrylonitrile	5.0	U	10	ug/L							
Benzene	0.71	U	1.0	ug/L							
Benzene	0.71	U	1.0	ug/L							
Bromochloromethane	0.94	U	1.0	ug/L							
Bromodichloromethane	0.52	U	1.0	ug/L							
Bromoform	0.75	U	1.0	ug/L							
Bromomethane	0.95	U	1.0	ug/L							
Carbon disulfide	2.5	U	5.0	ug/L							
Carbon tetrachloride	0.94	U	1.0	ug/L							
Chlorobenzene	0.72	U	1.0	ug/L							
Chloroethane	0.98	U	1.0	ug/L							
Chloroform	0.80	U	1.0	ug/L							
Chloromethane	0.82	U	1.0	ug/L							
Chloroprene	0.66	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.53	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.59	U	1.0	ug/L							
Dibromochloromethane	0.50	U	1.0	ug/L							
Dibromomethane	0.84	U	1.0	ug/L							
Dichlorodifluoromethane	0.74	U	1.0	ug/L							
Ethyl Methacrylate	0.54	U	1.0	ug/L							
Ethylbenzene	0.69	U	1.0	ug/L							
Hexachlorobutadiene	0.70	U	1.0	ug/L							
Iodomethane	2.5	U	5.0	ug/L							
Isobutyl alcohol	14	U	50	ug/L							
m,p-Xylenes	1.3	U	2.0	ug/L							
Methacrylonitrile	5.0	U	10	ug/L							

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 2H03012 - EPA 5030B_MS - Continued

Blank (2H03012-BLK1) Continued Prepared: 08/03/2022 08:18 Analyzed: 08/03/2022 11:02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Methyl Methacrylate	0.68	U	1.0	ug/L							
Methylene chloride	2.5	U	5.0	ug/L							
Naphthalene	0.82	U	1.0	ug/L							
o-Xylene	0.53	U	1.0	ug/L							
Propionitrile	5.0	U	10	ug/L							
Styrene	0.61	U	1.0	ug/L							
Tetrachloroethene	0.76	U	1.0	ug/L							
Toluene	0.72	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.73	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.73	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.79	U	1.0	ug/L							
Trichloroethene	0.89	U	1.0	ug/L							
Trichlorofluoromethane	0.94	U	1.0	ug/L							
Vinyl acetate	2.5	U	5.0	ug/L							
Vinyl chloride	0.71	U	1.0	ug/L							
Xylenes (Total)	1.3	U	2.0	ug/L							
4-Bromofluorobenzene	*42*			*ug/L*	*50.0*		*84*	*41-142*			
Dibromofluoromethane	*45*			*ug/L*	*50.0*		*89*	*53-146*			
Toluene-d8	*43*			*ug/L*	*50.0*		*86*	*41-146*			

LCS (2H03012-BS1) Prepared: 08/03/2022 08:18 Analyzed: 08/03/2022 08:36

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	17		1.0	ug/L	20.0		85	47-139			
Benzene	19		1.0	ug/L	20.0		96	56-136			
Chlorobenzene	18		1.0	ug/L	20.0		91	51-139			
Toluene	18		1.0	ug/L	20.0		88	64-131			
Trichloroethene	16		1.0	ug/L	20.0		82	62-135			
4-Bromofluorobenzene	*47*			*ug/L*	*50.0*		*95*	*41-142*			
Dibromofluoromethane	*51*			*ug/L*	*50.0*		*102*	*53-146*			
Toluene-d8	*49*			*ug/L*	*50.0*		*97*	*41-146*			

Matrix Spike (2H03012-MS1) Prepared: 08/03/2022 08:18 Analyzed: 08/03/2022 09:07

Source: AF05604-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	1900		100	ug/L	2000	94 U	96	47-139			
Benzene	2200		100	ug/L	2000	71 U	108	56-136			
Chlorobenzene	2000		100	ug/L	2000	72 U	99	51-139			
Toluene	2000		100	ug/L	2000	72 U	99	64-131			
Trichloroethene	1800		100	ug/L	2000	89 U	92	62-135			
4-Bromofluorobenzene	*4600*			*ug/L*	*5000*		*92*	*41-142*			
Dibromofluoromethane	*4900*			*ug/L*	*5000*		*98*	*53-146*			
Toluene-d8	*4700*			*ug/L*	*5000*		*95*	*41-146*			

Matrix Spike Dup (2H03012-MSD1) Prepared: 08/03/2022 08:18 Analyzed: 08/03/2022 09:36

Source: AF05604-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 2H03012 - EPA 5030B_MS - Continued

Matrix Spike Dup (2H03012-MSD1) Continued Prepared: 08/03/2022 08:18 Analyzed: 08/03/2022 09:36

Source: AF05604-02

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	1900		100	ug/L	2000	94 U	95	47-139	0.8	16	
Benzene	2100		100	ug/L	2000	71 U	106	56-136	1	14	
Chlorobenzene	1900		100	ug/L	2000	72 U	97	51-139	2	13	
Toluene	1900		100	ug/L	2000	72 U	95	64-131	4	16	
Trichloroethene	1800		100	ug/L	2000	89 U	90	62-135	2	20	
4-Bromofluorobenzene	*4400*			*ug/L*	*5000*		*89*	*41-142*			
Dibromofluoromethane	*4700*			*ug/L*	*5000*		*95*	*53-146*			
Toluene-d8	*4600*			*ug/L*	*5000*		*92*	*41-146*			

Semivolatile Organic Compounds by GCMS SIM - Quality Control

Batch 2H08015 - EPA 3510C_MS

Blank (2H08015-BLK1) Prepared: 08/08/2022 11:40 Analyzed: 08/12/2022 11:02

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4,5-Tetrachlorobenzene	3.2	U	10	ug/L							
1,3,5-Trinitrobenzene	5.1	U	10	ug/L							
1,3-Dinitrobenzene	3.6	U	10	ug/L							
1,4-Naphthoquinone	4.7	U	10	ug/L							
1,4-Phenylenediamine	3.3	U	10	ug/L							
1-Naphthylamine	2.3	U	10	ug/L							
2,3,4,6-Tetrachlorophenol	3.4	U	10	ug/L							
2,4,5-Trichlorophenol	3.9	U	10	ug/L							
2,4,6-Trichlorophenol	6.4	U	10	ug/L							
2,4-Dichlorophenol	6.5	U	10	ug/L							
2,4-Dimethylphenol	6.4	U	10	ug/L							
2,4-Dinitrophenol	7.7	U	10	ug/L							
2,4-Dinitrotoluene [SIM]	0.038	U	0.10	ug/L							
2,6-Dichlorophenol	3.8	U	10	ug/L							
2,6-Dinitrotoluene	2.9	U	10	ug/L							
2-Acetylaminofluorene	3.9	U	10	ug/L							
2-Chloronaphthalene	3.2	U	10	ug/L							
2-Chlorophenol	7.4	U	10	ug/L							
2-Methyl-4,6-dinitrophenol	6.0	U	10	ug/L							
2-Methylphenol	3.5	U	10	ug/L							
2-Naphthylamine	2.3	U	10	ug/L							
2-Nitroaniline	3.3	U	10	ug/L							
2-Nitrophenol	5.2	U	10	ug/L							
3 & 4-Methylphenol	8.2	U	10	ug/L							
3,3'-Dichlorobenzidine	3.3	U	10	ug/L							
3,3'-Dimethylbenzidine	3.6	U	10	ug/L							
3-Methylcholanthrene	3.0	U	10	ug/L							
3-Nitroaniline	3.3	U	10	ug/L							
4-Aminobiphenyl	2.6	U	10	ug/L							
4-Bromophenyl-phenylether	3.3	U	10	ug/L							
4-Chloro-3-methylphenol	7.3	U	10	ug/L							
4-Chloroaniline	4.3	U	10	ug/L							
4-Chlorophenyl-phenylether	3.2	U	10	ug/L							

QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS SIM - Quality Control

Batch 2H08015 - EPA 3510C_MS - Continued

Blank (2H08015-BLK1) Continued Prepared: 08/08/2022 11:40 Analyzed: 08/12/2022 11:02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4-Nitroaniline	3.2	U	10	ug/L							
4-Nitrophenol	7.9	U	10	ug/L							
5-Nitro-o-toluidine	2.3	U	10	ug/L							
7,12-Dimethylbenz(a)anthracene	3.3	U	10	ug/L							
Acetophenone	3.8	U	10	ug/L							
Benzyl alcohol	3.9	U	10	ug/L							
Bis(2-chloroethoxy)methane	3.3	U	10	ug/L							
Bis(2-chloroethyl)ether	3.8	U	10	ug/L							
Bis(2-chloroisopropyl)ether	3.5	U	10	ug/L							
Bis(2-ethylhexyl)phthalate	3.5	U	5.0	ug/L							
Butylbenzylphthalate	5.1	U	10	ug/L							
Chlorobenzilate [SIM]	0.029	U	0.10	ug/L							
Diallate [SIM]	0.030	U	0.10	ug/L							
Dibenzofuran	2.8	U	10	ug/L							
Diethylphthalate	3.0	U	10	ug/L							
Dimethoate [SIM]	0.043	U	0.10	ug/L							
Dimethylphthalate	3.0	U	10	ug/L							
Di-n-butylphthalate	3.2	U	10	ug/L							
Di-n-octylphthalate	3.6	U	10	ug/L							
Disulfoton [SIM]	0.062	U	0.10	ug/L							
Ethyl methanesulfonate	3.3	U	10	ug/L							
Famphur [SIM]	0.052	U	0.10	ug/L							
Hexachlorobenzene [SIM]	0.027	U	0.10	ug/L							
Hexachlorobutadiene [SIM]	0.045	U	0.10	ug/L							
Hexachlorocyclopentadiene	3.8	U	10	ug/L							
Hexachloroethane	3.0	U	10	ug/L							
Hexachloropropene	3.3	U	10	ug/L							
Isodrin	3.0	U	10	ug/L							
Isophorone	4.5	U	10	ug/L							
Isosafrole	2.6	U	10	ug/L							
Kepone [SIM]	3.3	U	5.0	ug/L							
Methapyrilene	3.4	U	10	ug/L							
Methyl Methanesulfonate	3.4	U	10	ug/L							
Methyl Parathion [SIM]	0.061	U	0.10	ug/L							
Nitrobenzene	3.2	U	10	ug/L							
N-Nitrosodiethylamine	3.9	U	10	ug/L							
N-Nitrosodimethylamine	3.8	U	10	ug/L							
N-Nitrosodi-n-butylamine	4.5	U	10	ug/L							
N-Nitroso-di-n-propylamine	4.5	U	10	ug/L							
N-nitrosodiphenylamine/Diphenylamine	5.4	U	10	ug/L							
N-Nitrosomethylethylamine	3.7	U	10	ug/L							
N-Nitrosopiperidine	3.9	U	10	ug/L							
N-Nitrosopyrrolidine	4.2	U	10	ug/L							
O,O,O-Triethyl phosphorothioate	3.5	U	10	ug/L							
o-Toluidine	3.4	U	10	ug/L							
Parathion	1.2	U	10	ug/L							
p-Dimethylaminoazobenzene	3.4	U	10	ug/L							
Pentachlorobenzene [SIM]	0.034	U	0.10	ug/L							
Pentachloronitrobenzene [SIM]	0.047	U	0.10	ug/L							

QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS SIM - Quality Control

Batch 2H08015 - EPA 3510C_MS - Continued

Blank (2H08015-BLK1) Continued Prepared: 08/08/2022 11:40 Analyzed: 08/12/2022 11:02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phenacetin	2.7	U	10	ug/L							
Phenol	5.6	U	10	ug/L							
Phorate [SIM]	0.070	U	0.10	ug/L							
Pronamide	4.3	U	10	ug/L							
Safrole	4.8	U	10	ug/L							
Thionazin	2.8	U	10	ug/L							
2,4,6-Tribromophenol	*36*			*ug/L*	*50.0*		*72*	*33-145*			
2-Fluorobiphenyl	*42*			*ug/L*	*50.0*		*84*	*32-116*			
2-Fluorophenol	*26*			*ug/L*	*50.0*		*52*	*11-100*			
Nitrobenzene-d5	*42*			*ug/L*	*50.0*		*83*	*24-107*			
Phenol-d5	*19*			*ug/L*	*50.0*		*39*	*10-100*			
Terphenyl-d14	*48*			*ug/L*	*50.0*		*97*	*52-150*			

LCS (2H08015-BS1) Prepared: 08/08/2022 11:40 Analyzed: 08/12/2022 12:31

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4-Dinitrotoluene	62		10	ug/L	50.0		125	52-158			
2-Chlorophenol	56		10	ug/L	50.0		112	17-110			QL-02
4-Chloro-3-methylphenol	49		10	ug/L	50.0		98	35-131			
4-Nitrophenol	61		10	ug/L	50.0		123	10-94			QL-02
N-Nitroso-di-n-propylamine	60		10	ug/L	50.0		120	26-135			
Phenol	32		10	ug/L	50.0		64	10-60			QL-02
2,4,6-Tribromophenol	*48*			*ug/L*	*50.0*		*95*	*33-145*			
2-Fluorobiphenyl	*63*			*ug/L*	*50.0*		*125*	*32-116*			*QS-03*
2-Fluorophenol	*30*			*ug/L*	*50.0*		*60*	*11-100*			
Nitrobenzene-d5	*43*			*ug/L*	*50.0*		*85*	*24-107*			
Phenol-d5	*24*			*ug/L*	*50.0*		*49*	*10-100*			
Terphenyl-d14	*57*			*ug/L*	*50.0*		*114*	*52-150*			

Matrix Spike (2H08015-MS1) Prepared: 08/08/2022 11:40 Analyzed: 08/12/2022 13:01

Source: AF05814-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4-Dinitrotoluene	34		10	ug/L	50.0	3.2 U	67	52-158			
2-Chlorophenol	27		10	ug/L	50.0	7.4 U	54	17-110			
4-Chloro-3-methylphenol	30		10	ug/L	50.0	7.3 U	60	35-131			
4-Nitrophenol	17		10	ug/L	50.0	7.9 U	33	10-94			
N-Nitroso-di-n-propylamine	27		10	ug/L	50.0	4.5 U	53	26-135			
Phenol	9.0	I	10	ug/L	50.0	5.6 U	18	10-60			
2,4,6-Tribromophenol	*30*			*ug/L*	*50.0*		*60*	*33-145*			
2-Fluorobiphenyl	*36*			*ug/L*	*50.0*		*73*	*32-116*			
2-Fluorophenol	*13*			*ug/L*	*50.0*		*26*	*11-100*			
Nitrobenzene-d5	*31*			*ug/L*	*50.0*		*61*	*24-107*			
Phenol-d5	*8.9*	*I*		*ug/L*	*50.0*		*18*	*10-100*			
Terphenyl-d14	*38*			*ug/L*	*50.0*		*76*	*52-150*			

QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS SIM - Quality Control

Batch 2H08015 - EPA 3510C_MS - Continued

Matrix Spike Dup (2H08015-MSD1) Prepared: 08/08/2022 11:40 Analyzed: 08/12/2022 13:30

Source: AF05814-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4-Dinitrotoluene	39		10	ug/L	50.0	3.2 U	77	52-158	13	18	
2-Chlorophenol	29		10	ug/L	50.0	7.4 U	58	17-110	8	16	
4-Chloro-3-methylphenol	35		10	ug/L	50.0	7.3 U	69	35-131	14	16	
4-Nitrophenol	24		10	ug/L	50.0	7.9 U	47	10-94	34	15	QM-11
N-Nitroso-di-n-propylamine	28		10	ug/L	50.0	4.5 U	55	26-135	4	18	
Phenol	11		10	ug/L	50.0	5.6 U	21	10-60	16	9	QM-11
2,4,6-Tribromophenol	*34*			*ug/L*	*50.0*		*69*	*33-145*			
2-Fluorobiphenyl	*39*			*ug/L*	*50.0*		*78*	*32-116*			
2-Fluorophenol	*14*			*ug/L*	*50.0*		*29*	*11-100*			
Nitrobenzene-d5	*29*			*ug/L*	*50.0*		*58*	*24-107*			
Phenol-d5	*10*			*ug/L*	*50.0*		*21*	*10-100*			
Terphenyl-d14	*47*			*ug/L*	*50.0*		*95*	*52-150*			

Batch 2H09006 - EPA 3511_MS

Blank (2H09006-BLK1) Prepared: 08/09/2022 14:19 Analyzed: 08/10/2022 14:31

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1-Methylnaphthalene	0.050	U	0.10	ug/L							
2-Methylnaphthalene	0.050	U	0.10	ug/L							
Acenaphthene	0.050	U	0.10	ug/L							
Acenaphthylene	0.050	U	0.10	ug/L							
Anthracene	0.050	U	0.10	ug/L							
Benzo(a)anthracene	0.050	U	0.10	ug/L							
Benzo(a)pyrene	0.050	U	0.10	ug/L							
Benzo(b)fluoranthene	0.059	U	0.10	ug/L							
Benzo(g,h,i)perylene	0.050	U	0.10	ug/L							
Benzo(k)fluoranthene	0.050	U	0.10	ug/L							
Chrysene	0.051	U	0.10	ug/L							
Dibenzo(a,h)anthracene	0.052	U	0.10	ug/L							
Fluoranthene	0.051	U	0.10	ug/L							
Fluorene	0.050	U	0.10	ug/L							
Indeno(1,2,3-cd)pyrene	0.050	U	0.10	ug/L							
Naphthalene	0.050	U	0.10	ug/L							
Phenanthrene	0.050	U	0.10	ug/L							
Pyrene	0.050	U	0.10	ug/L							
2-Methylnaphthalene-d10	*4.3*			*ug/L*	*5.71*		*76*	*50-150*			
Fluoranthene-d10	*5.3*			*ug/L*	*5.71*		*93*	*50-150*			

LCS (2H09006-BS1) Prepared: 08/09/2022 14:19 Analyzed: 08/10/2022 14:53

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Acenaphthene	5.0		0.10	ug/L	5.71		87	80-120			
Benzo(a)pyrene	4.9		0.10	ug/L	5.71		85	73-149			
Benzo(g,h,i)perylene	4.3		0.10	ug/L	5.71		74	57-124			
Naphthalene	4.5		0.10	ug/L	5.71		78	68-120			
2-Methylnaphthalene-d10	*4.4*			*ug/L*	*5.71*		*77*	*50-150*			
Fluoranthene-d10	*5.0*			*ug/L*	*5.71*		*88*	*50-150*			

QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS SIM - Quality Control

Batch 2H09006 - EPA 3511_MS - Continued

Matrix Spike (2H09006-MS1) Prepared: 08/09/2022 14:19 Analyzed: 08/10/2022 15:14

Source: AF05814-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Acenaphthene	5.3		0.10	ug/L	5.71	0.050 U	92	80-120			
Benzo(a)pyrene	4.5		0.10	ug/L	5.71	0.050 U	78	73-149			
Benzo(g,h,i)perylene	4.2		0.10	ug/L	5.71	0.050 U	74	57-124			
Naphthalene	4.7		0.10	ug/L	5.71	0.050 U	83	68-120			
2-Methylnaphthalene-d10	*4.2*			*ug/L*	*5.71*		*74*	*50-150*			
Fluoranthene-d10	*5.4*			*ug/L*	*5.71*		*94*	*50-150*			

Matrix Spike Dup (2H09006-MSD1) Prepared: 08/09/2022 14:19 Analyzed: 08/10/2022 15:35

Source: AF05814-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Acenaphthene	5.0		0.10	ug/L	5.71	0.050 U	88	80-120	5	25	
Benzo(a)pyrene	4.7		0.10	ug/L	5.71	0.050 U	82	73-149	6	25	
Benzo(g,h,i)perylene	4.8		0.10	ug/L	5.71	0.050 U	83	57-124	11	25	
Naphthalene	4.4		0.10	ug/L	5.71	0.050 U	77	68-120	8	25	
2-Methylnaphthalene-d10	*3.5*			*ug/L*	*5.71*		*61*	*50-150*			
Fluoranthene-d10	*5.3*			*ug/L*	*5.71*		*93*	*50-150*			

Organochlorine Pesticides by GC - Quality Control

Batch 2H09007 - EPA 3510C

Blank (2H09007-BLK1) Prepared: 08/09/2022 15:15 Analyzed: 08/11/2022 11:02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDD	0.020	U	0.050	ug/L							
4,4'-DDE	0.036	U	0.050	ug/L							
4,4'-DDT	0.025	U	0.050	ug/L							
Aldrin	0.032	U	0.050	ug/L							
alpha-BHC	0.026	U	0.050	ug/L							
beta-BHC	0.036	U	0.050	ug/L							
Chlordane (tech)	0.36	U	0.50	ug/L							
Chlordane-alpha	0.022	U	0.050	ug/L							
Chlordane-gamma	0.024	U	0.050	ug/L							
delta-BHC	0.019	U	0.050	ug/L							
Dieldrin	0.017	U	0.050	ug/L							
Endosulfan I	0.016	U	0.050	ug/L							
Endosulfan II	0.017	U	0.050	ug/L							
Endosulfan sulfate	0.020	U	0.050	ug/L							
Endrin	0.014	U	0.050	ug/L							
Endrin aldehyde	0.020	U	0.050	ug/L							
gamma-BHC	0.021	U	0.050	ug/L							
Heptachlor	0.026	U	0.050	ug/L							
Heptachlor epoxide	0.018	U	0.050	ug/L							
Methoxychlor	0.020	U	0.050	ug/L							
Toxaphene	0.48	U	0.50	ug/L							
2,4,5,6-TCMX	*0.42*			*ug/L*	*1.00*		*42*	*38-142*			
Decachlorobiphenyl	*0.85*			*ug/L*	*1.00*		*85*	*34-159*			

QUALITY CONTROL DATA

Organochlorine Pesticides by GC - Quality Control

Batch 2H09007 - EPA 3510C - Continued

LCS (2H09007-BS1) Prepared: 08/09/2022 15:15 Analyzed: 08/11/2022 11:15

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	1.1		0.050	ug/L	1.00		114	37-125			
Dieldrin	1.1		0.050	ug/L	1.00		108	46-127			
Endrin	1.1		0.050	ug/L	1.00		106	28-143			
2,4,5,6-TCMX	*0.62*			*ug/L*	*1.00*		*62*	*38-142*			
Decachlorobiphenyl	*1.0*			*ug/L*	*1.00*		*101*	*34-159*			

Matrix Spike (2H09007-MS1) Prepared: 08/09/2022 15:15 Analyzed: 08/11/2022 11:28

Source: AF04864-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	0.69		0.050	ug/L	1.00	0.025 U	69	37-125			
Dieldrin	0.57		0.050	ug/L	1.00	0.017 U	57	46-127			
Endrin	0.63		0.050	ug/L	1.00	0.014 U	63	28-143			
2,4,5,6-TCMX	*0.41*			*ug/L*	*1.00*		*41*	*38-142*			
Decachlorobiphenyl	*0.89*			*ug/L*	*1.00*		*89*	*34-159*			

Matrix Spike Dup (2H09007-MSD1) Prepared: 08/09/2022 15:15 Analyzed: 08/11/2022 11:41

Source: AF04864-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	0.88		0.050	ug/L	1.00	0.025 U	88	37-125	24	24	
Dieldrin	0.71		0.050	ug/L	1.00	0.017 U	71	46-127	22	21	QM-11
Endrin	0.73		0.050	ug/L	1.00	0.014 U	73	28-143	15	22	
2,4,5,6-TCMX	*0.56*			*ug/L*	*1.00*		*56*	*38-142*			
Decachlorobiphenyl	*1.0*			*ug/L*	*1.00*		*100*	*34-159*			

Polychlorinated Biphenyls by GC - Quality Control

Batch 2H18014 - EPA 3510C

Blank (2H18014-BLK1) Prepared: 08/18/2022 11:00 Analyzed: 08/23/2022 20:33

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	0.49	U	0.50	ug/L							
PCB-1221	0.46	U	0.50	ug/L							
PCB-1232	0.47	U	0.50	ug/L							
PCB-1248	0.49	U	0.50	ug/L							
PCB-1254	0.50	U	0.50	ug/L							
PCB-1260	0.48	U	0.50	ug/L							
2,4,5,6-TCMX	*0.81*			*ug/L*	*1.00*		*81*	*38-142*			
Decachlorobiphenyl [2C]	*0.49*			*ug/L*	*1.00*		*49*	*34-159*			

LCS (2H18014-BS1) Prepared: 08/18/2022 11:00 Analyzed: 08/23/2022 20:45

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	15		0.50	ug/L	10.0		145	11-162			
PCB-1260	14		0.50	ug/L	10.0		136	10-166			
2,4,5,6-TCMX	*0.96*			*ug/L*	*1.00*		*96*	*38-142*			
Decachlorobiphenyl [2C]	*1.0*			*ug/L*	*1.00*		*104*	*34-159*			

QUALITY CONTROL DATA

Polychlorinated Biphenyls by GC - Quality Control

Batch 2H18014 - EPA 3510C - Continued

Matrix Spike (2H18014-MS1) Prepared: 08/18/2022 11:00 Analyzed: 08/23/2022 20:57

Source: AF05978-02

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	16		0.50	ug/L	10.0	0.49 U	160	11-162			
PCB-1260	15		0.50	ug/L	10.0	0.48 U	152	10-166			
2,4,5,6-TCMX	*1.0*			*ug/L*	*1.00*		*104*	*38-142*			
Decachlorobiphenyl [2C]	*0.97*			*ug/L*	*1.00*		*97*	*34-159*			

Matrix Spike Dup (2H18014-MSD1) Prepared: 08/18/2022 11:00 Analyzed: 08/23/2022 21:08

Source: AF05978-02

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	15		0.50	ug/L	10.0	0.49 U	155	11-162	3	23	
PCB-1260	16		0.50	ug/L	10.0	0.48 U	156	10-166	2	13	
2,4,5,6-TCMX	*1.1*			*ug/L*	*1.00*		*107*	*38-142*			
Decachlorobiphenyl [2C]	*1.1*			*ug/L*	*1.00*		*106*	*34-159*			

Chlorinated Herbicides by GC - Quality Control

Batch 2H08029 - EPA 3510C

Blank (2H08029-BLK1) Prepared: 08/08/2022 16:30 Analyzed: 08/15/2022 16:11

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-T	0.28	U	0.50	ug/L							
2,4,5-TP (Silvex)	0.44	U	0.50	ug/L							
2,4-D	0.27	U	0.50	ug/L							
Dinoseb	0.32	U	0.50	ug/L							
Pentachlorophenol	0.19	U	0.50	ug/L							
2,4-DCAA	*1.6*			*ug/L*	*2.00*		*78*	*37-134*			

Blank (2H08029-BLK2) Prepared: 08/08/2022 16:30 Analyzed: 08/15/2022 15:21

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-T	1.4	U	2.5	ug/L							
2,4,5-TP (Silvex)	2.2	U	2.5	ug/L							
2,4-D	1.4	U	2.5	ug/L							
Dinoseb	1.6	U	2.5	ug/L							
Pentachlorophenol	0.95	U	2.5	ug/L							
2,4-DCAA	*5.8*			*ug/L*	*10.0*		*58*	*37-134*			

Blank (2H08029-BLK3) Prepared: 08/08/2022 16:30 Analyzed: 08/15/2022 15:46

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-T	1.4	U	2.5	ug/L							
2,4,5-TP (Silvex)	2.2	U	2.5	ug/L							
2,4-D	1.4	U	2.5	ug/L							
Dinoseb	1.6	U	2.5	ug/L							
Pentachlorophenol	0.95	U	2.5	ug/L							
2,4-DCAA	*5.1*			*ug/L*	*10.0*		*51*	*37-134*			

QUALITY CONTROL DATA

Chlorinated Herbicides by GC - Quality Control

Batch 2H08029 - EPA 3510C - Continued

LCS (2H08029-BS1) Prepared: 08/08/2022 16:30 Analyzed: 08/15/2022 16:36

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	0.94		0.50	ug/L	2.00		47	24-135			
2,4-D	1.2		0.50	ug/L	2.00		59	20-134			
2,4-DCAA	*1.6*			*ug/L*	*2.00*		*80*	*37-134*			

Matrix Spike (2H08029-MS1) Prepared: 08/08/2022 16:30 Analyzed: 08/15/2022 17:01

Source: AF05625-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	4.4		2.5	ug/L	10.0	2.2 U	44	24-135			
2,4-D	4.8		2.5	ug/L	10.0	1.4 U	48	20-134			
2,4-DCAA	*4.2*			*ug/L*	*10.0*		*42*	*37-134*			

Matrix Spike Dup (2H08029-MSD1) Prepared: 08/08/2022 16:30 Analyzed: 08/15/2022 17:26

Source: AF05625-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	4.1		2.5	ug/L	10.0	2.2 U	41	24-135	6	19	
2,4-D	4.4		2.5	ug/L	10.0	1.4 U	44	20-134	9	19	
2,4-DCAA	*4.0*			*ug/L*	*10.0*		*40*	*37-134*			

Semivolatile Organic Compounds by GC - Quality Control

Batch 2H11001 - EPA 504/8011

Blank (2H11001-BLK1) Prepared: 08/11/2022 05:24 Analyzed: 08/11/2022 08:01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.012	U	0.020	ug/L							
1,2-Dibromoethane	0.010	U	0.020	ug/L							
1,1,1,2-Tetrachloroethane	*0.20*			*ug/L*	*0.250*		*80*	*70-130*			

LCS (2H11001-BS1) Prepared: 08/11/2022 05:24 Analyzed: 08/11/2022 08:17

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.20		0.020	ug/L	0.250		79	61-139			
1,2-Dibromoethane	0.20		0.020	ug/L	0.250		78	65-133			
1,1,1,2-Tetrachloroethane	*0.20*			*ug/L*	*0.250*		*82*	*70-130*			

Matrix Spike (2H11001-MS1) Prepared: 08/11/2022 05:24 Analyzed: 08/11/2022 08:33

Source: AF05814-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.21		0.020	ug/L	0.250	0.012 U	86	61-139			
1,2-Dibromoethane	0.20		0.020	ug/L	0.250	0.010 U	79	65-133			
1,1,1,2-Tetrachloroethane	*0.21*			*ug/L*	*0.250*		*85*	*70-130*			

Matrix Spike Dup (2H11001-MSD1) Prepared: 08/11/2022 05:24 Analyzed: 08/11/2022 08:49

Source: AF05814-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

QUALITY CONTROL DATA

Semivolatile Organic Compounds by GC - Quality Control

Batch 2H11001 - EPA 504/8011 - Continued

Matrix Spike Dup (2H11001-MSD1) Continued Prepared: 08/11/2022 05:24 Analyzed: 08/11/2022 08:49

Source: AF05814-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.22		0.020	ug/L	0.250	0.012 U	89	61-139	4	12	
1,2-Dibromoethane	0.21		0.020	ug/L	0.250	0.010 U	83	65-133	5	17	
1,1,1,2-Tetrachloroethane	*0.22*			*ug/L*	*0.250*		*89*	*70-130*			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 2H03039 - EPA 7470A

Blank (2H03039-BLK1) Prepared: 08/04/2022 10:53 Analyzed: 08/05/2022 08:32

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.0230	U	0.200	ug/L							

Blank (2H03039-BLK2) Prepared: 08/04/2022 10:53 Analyzed: 08/05/2022 08:34

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.230	U	2.00	ug/L							

LCS (2H03039-BS1) Prepared: 08/04/2022 10:53 Analyzed: 08/05/2022 08:41

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.99		0.200	ug/L	5.00		100	80-120			

Matrix Spike (2H03039-MS1) Prepared: 08/04/2022 10:53 Analyzed: 08/05/2022 08:47

Source: AF05632-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	50.7		2.00	ug/L	50.0	0.230 U	101	75-125			

Matrix Spike Dup (2H03039-MSD1) Prepared: 08/04/2022 10:53 Analyzed: 08/05/2022 08:50

Source: AF05632-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	51.4		2.00	ug/L	50.0	0.230 U	103	75-125	1	20	

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2H03046 - EPA 3005A

Blank (2H03046-BLK1) Prepared: 08/04/2022 09:31 Analyzed: 08/08/2022 10:28

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	2.50	U	5.00	ug/L							
Arsenic	6.10	U	10.0	ug/L							
Barium	50.0	U	100	ug/L							
Beryllium	0.940	U	1.00	ug/L							
Cadmium	2.00	U	5.00	ug/L							
Chromium	5.00	U	10.0	ug/L							
Cobalt	5.00	U	10.0	ug/L							
Copper	2.50	U	10.0	ug/L							

QUALITY CONTROL DATA

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2H03046 - EPA 3005A - Continued

Blank (2H03046-BLK1) Continued Prepared: 08/04/2022 09:31 Analyzed: 08/08/2022 10:28

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Iron	50.0	U	250	ug/L							
Lead	2.50	U	5.00	ug/L							
Nickel	5.00	U	10.0	ug/L							
Selenium	6.50	U	10.0	ug/L							
Silver	0.500	U	1.00	ug/L							
Sodium	0.500	U	1.00	mg/L							
Thallium	0.600	U	1.00	ug/L							
Tin	5.00	U	50.0	ug/L							
Vanadium	5.00	U	10.0	ug/L							
Zinc	75.0	U	200	ug/L							

Blank (2H03046-BLK2) Prepared: 08/04/2022 09:31 Analyzed: 08/08/2022 10:31

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.250	U	0.500	ug/L							
Arsenic	0.610	U	1.00	ug/L							
Barium	5.00	U	10.0	ug/L							
Beryllium	0.0940	U	0.100	ug/L							
Cadmium	0.200	U	0.500	ug/L							
Chromium	0.500	U	1.00	ug/L							
Cobalt	0.500	U	1.00	ug/L							
Copper	0.250	U	1.00	ug/L							
Iron	5.00	U	25.0	ug/L							
Lead	0.250	U	0.500	ug/L							
Nickel	0.500	U	1.00	ug/L							
Selenium	0.650	U	1.00	ug/L							
Silver	0.0500	U	0.100	ug/L							
Sodium	0.0500	U	0.100	mg/L							
Thallium	0.0600	U	0.100	ug/L							
Tin	0.500	U	5.00	ug/L							
Vanadium	0.500	U	1.00	ug/L							
Zinc	7.50	U	20.0	ug/L							

LCS (2H03046-BS1) Prepared: 08/04/2022 09:31 Analyzed: 08/08/2022 10:38

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	49.7		5.00	ug/L	50.0		99	80-120			
Arsenic	508		10.0	ug/L	500		102	80-120			
Barium	517		100	ug/L	500		103	80-120			
Beryllium	52.1		1.00	ug/L	50.0		104	80-120			
Cadmium	50.1		5.00	ug/L	50.0		100	80-120			
Chromium	525		10.0	ug/L	500		105	80-120			
Cobalt	524		10.0	ug/L	500		105	80-120			
Copper	526		10.0	ug/L	500		105	80-120			
Iron	1060		250	ug/L	1000		106	80-120			
Lead	525		5.00	ug/L	500		105	80-120			
Nickel	521		10.0	ug/L	500		104	80-120			
Selenium	493		10.0	ug/L	500		99	80-120			

QUALITY CONTROL DATA

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2H03046 - EPA 3005A - Continued

LCS (2H03046-BS1) Continued Prepared: 08/04/2022 09:31 Analyzed: 08/08/2022 10:38

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Silver	51.9		1.00	ug/L	50.0		104	80-120			
Sodium	26.8		1.00	mg/L	25.0		107	80-120			
Thallium	51.6		1.00	ug/L	50.0		103	80-120			
Tin	518		50.0	ug/L	500		104	80-120			
Vanadium	522		10.0	ug/L	500		104	80-120			
Zinc	499		200	ug/L	500		100	80-120			

Matrix Spike (2H03046-MS1) Prepared: 08/04/2022 09:31 Analyzed: 08/08/2022 10:48

Source: AF05754-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	48.6		5.00	ug/L	50.0	2.50 U	97	75-125			
Arsenic	489		10.0	ug/L	500	6.10 U	98	75-125			
Barium	541		100	ug/L	500	50.0 U	108	75-125			
Beryllium	50.7		1.00	ug/L	50.0	0.940 U	101	75-125			
Cadmium	49.3		5.00	ug/L	50.0	2.00 U	99	75-125			
Chromium	506		10.0	ug/L	500	5.00 U	101	75-125			
Cobalt	507		10.0	ug/L	500	5.00 U	101	75-125			
Copper	503		10.0	ug/L	500	2.50 U	101	75-125			
Iron	1110		250	ug/L	1000	82.2	103	75-125			
Lead	508		5.00	ug/L	500	2.50 U	102	75-125			
Nickel	503		10.0	ug/L	500	5.00 U	101	75-125			
Selenium	477		10.0	ug/L	500	6.50 U	95	75-125			
Silver	49.6		1.00	ug/L	50.0	0.500 U	99	75-125			
Sodium	30.5		1.00	mg/L	25.0	5.09	102	75-125			
Thallium	51.6		1.00	ug/L	50.0	1.02	101	75-125			
Tin	508		50.0	ug/L	500	5.00 U	102	75-125			
Vanadium	507		10.0	ug/L	500	5.00 U	101	75-125			
Zinc	556		200	ug/L	500	75.0 U	111	75-125			

Matrix Spike Dup (2H03046-MSD1) Prepared: 08/04/2022 09:31 Analyzed: 08/08/2022 10:51

Source: AF05754-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	49.4		5.00	ug/L	50.0	2.50 U	99	75-125	2	20	
Arsenic	501		10.0	ug/L	500	6.10 U	100	75-125	2	20	
Barium	543		100	ug/L	500	50.0 U	109	75-125	0.4	20	
Beryllium	50.8		1.00	ug/L	50.0	0.940 U	102	75-125	0.3	20	
Cadmium	49.6		5.00	ug/L	50.0	2.00 U	99	75-125	0.7	20	
Chromium	518		10.0	ug/L	500	5.00 U	104	75-125	2	20	
Cobalt	515		10.0	ug/L	500	5.00 U	103	75-125	2	20	
Copper	510		10.0	ug/L	500	2.50 U	102	75-125	1	20	
Iron	1100		250	ug/L	1000	82.2	102	75-125	1	20	
Lead	514		5.00	ug/L	500	2.50 U	103	75-125	1	20	
Nickel	510		10.0	ug/L	500	5.00 U	102	75-125	1	20	
Selenium	487		10.0	ug/L	500	6.50 U	97	75-125	2	20	
Silver	50.4		1.00	ug/L	50.0	0.500 U	101	75-125	2	20	
Sodium	31.0		1.00	mg/L	25.0	5.09	104	75-125	2	20	
Thallium	52.0		1.00	ug/L	50.0	1.02	102	75-125	0.8	20	
Tin	509		50.0	ug/L	500	5.00 U	102	75-125	0.2	20	

QUALITY CONTROL DATA

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2H03046 - EPA 3005A - Continued

Matrix Spike Dup (2H03046-MSD1) Continued Prepared: 08/04/2022 09:31 Analyzed: 08/08/2022 10:51

Source: AF05754-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vanadium	514		10.0	ug/L	500	5.00 U	103	75-125	1	20	
Zinc	496		200	ug/L	500	75.0 U	99	75-125	11	20	

Classical Chemistry Parameters - Quality Control

Batch 2H03027 - NO PREP

Blank (2H03027-BLK1) Prepared: 08/03/2022 11:24 Analyzed: 08/03/2022 12:19

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	0.29	U	5.0	mg/L							
Nitrate as N	0.052	U	1.0	mg/L							

LCS (2H03027-BS1) Prepared: 08/03/2022 11:24 Analyzed: 08/03/2022 13:59

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	47		5.0	mg/L	50.0		94	90-110			
Nitrate as N	23		1.0	mg/L	25.0		93	90-110			

Matrix Spike (2H03027-MS1) Prepared: 08/03/2022 11:24 Analyzed: 08/03/2022 14:47

Source: AF05364-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	67		5.0	mg/L	50.0	20	94	90-110			
Nitrate as N	30		1.0	mg/L	25.0	7.1	93	90-110			

Matrix Spike (2H03027-MS2) Prepared: 08/03/2022 11:24 Analyzed: 08/03/2022 15:34

Source: AF05368-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	74		5.0	mg/L	50.0	30	88	90-110			QM-07
Nitrate as N	22		1.0	mg/L	25.0	0.052 U	87	90-110			QM-07

Matrix Spike Dup (2H03027-MSD1) Prepared: 08/03/2022 11:24 Analyzed: 08/03/2022 15:03

Source: AF05364-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	68		5.0	mg/L	50.0	20	95	90-110	0.8	10	
Nitrate as N	31		1.0	mg/L	25.0	7.1	94	90-110	0.8	10	

Matrix Spike Dup (2H03027-MSD2) Prepared: 08/03/2022 11:24 Analyzed: 08/03/2022 15:50

Source: AF05368-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	74		5.0	mg/L	50.0	30	89	90-110	0.2	10	QM-07
Nitrate as N	22		1.0	mg/L	25.0	0.052 U	87	90-110	0.2	10	QM-07

Batch 2H03045 - NO PREP

Blank (2H03045-BLK1) Prepared: 08/04/2022 13:40 Analyzed: 08/05/2022 14:00

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

QUALITY CONTROL DATA

Classical Chemistry Parameters - Quality Control

Batch 2H03045 - NO PREP - Continued

Blank (2H03045-BLK1) Continued Prepared: 08/04/2022 13:40 Analyzed: 08/05/2022 14:00

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	10	U	10	mg/L							

LCS (2H03045-BS1) Prepared: 08/04/2022 13:40 Analyzed: 08/05/2022 14:00

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	90		10	mg/L	100		90	90-110			

Duplicate (2H03045-DUP1) Prepared: 08/04/2022 13:40 Analyzed: 08/05/2022 14:00

Source: AF05701-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	10	U	10	mg/L		12				20	

Batch 2H04014 - NO PREP

Blank (2H04014-BLK1) Prepared: 08/04/2022 10:37 Analyzed: 08/08/2022 08:23

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.0098	U	0.020	mg/L							

LCS (2H04014-BS1) Prepared: 08/04/2022 10:37 Analyzed: 08/08/2022 08:24

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	1.1		0.020	mg/L	1.00		108	90-110			

Matrix Spike (2H04014-MS2) Prepared: 08/04/2022 10:37 Analyzed: 08/08/2022 08:30

Source: AF05368-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.95		0.020	mg/L	1.00	0.0098 U	95	90-110			

Matrix Spike (2H04014-MS3) Prepared: 08/04/2022 10:37 Analyzed: 08/08/2022 08:41

Source: AF05217-01RE1

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	3.7		0.10	mg/L	1.00	2.7	108	90-110			

Matrix Spike Dup (2H04014-MSD3) Prepared: 08/04/2022 10:37 Analyzed: 08/08/2022 08:42

Source: AF05217-01RE1

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	3.7		0.10	mg/L	1.00	2.7	106	90-110	0.4	10	

Batch 2H05004 - NO PREP

Blank (2H05004-BLK1) Prepared: 08/05/2022 11:10 Analyzed: 08/05/2022 14:00

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.0067	U	0.010	mg/L							

QUALITY CONTROL DATA

Classical Chemistry Parameters - Quality Control

Batch 2H05004 - NO PREP - Continued

LCS (2H05004-BS1) Prepared: 08/05/2022 11:10 Analyzed: 08/05/2022 14:00

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.21		0.010	mg/L	0.200		105	83-116			

Matrix Spike (2H05004-MS1) Prepared: 08/05/2022 11:10 Analyzed: 08/05/2022 14:00

Source: AF04621-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.20		0.010	mg/L	0.200	0.0067 U	98	83-116			

Matrix Spike Dup (2H05004-MSD1) Prepared: 08/05/2022 11:10 Analyzed: 08/05/2022 14:00

Source: AF04621-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.20		0.010	mg/L	0.200	0.0067 U	99	83-116	2	19	

Batch 2H08024 - NO PREP

Blank (2H08024-BLK1) Prepared & Analyzed: 08/08/2022 08:23

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.45	U	1.0	mg/L							J-06

LCS (2H08024-BS1) Prepared & Analyzed: 08/08/2022 08:23

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	3.2		1.0	mg/L	4.01		81	84-106			J-06

Matrix Spike (2H08024-MS1) Prepared & Analyzed: 08/08/2022 08:23

Source: AF05835-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	3.6		1.0	mg/L	4.01	0.45 U	89	84-106			J-06

Matrix Spike Dup (2H08024-MSD1) Prepared & Analyzed: 08/08/2022 08:23

Source: AF05835-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	3.4		1.0	mg/L	4.01	0.45 U	85	84-106	5	10	J-06

FLAGS/NOTES AND DEFINITIONS

PQL	PQL: Practical Quantitation Limit. The PQL presented is the laboratory MRL.
B	Results are based upon membrane filter colony counts that are outside the method indicated ideal range.
I	The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).
J	Estimated value.
K	Off-scale low; Actual value is known to be less than the value given.
L	Off-scale high; Actual value is known to be greater than value given.
M	Presence of analyte is verified but not quantified; the actual value is less than the MRL but greater than the MDL.
N	Presumptive evidence of presence of material.
O	Sampled, but analysis lost or not performed.
Q	Sample exceeded the accepted holding time.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only and shall not be used in statistical analysis.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.
Z	Too many colonies were present (TNTC); the numeric value represents the filtration volume.
?	Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
*	Not reported due to interference.
[CALC]	Calculated analyte - MDL/MRL reported to the highest reporting limit of the component analyses.
J-06	The associated laboratory control sample exhibited low bias; the reported result should be considered to be a minimum estimate.
QL-02	The associated laboratory control sample exhibited high bias; since the result is ND, there is no impact.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-11	Precision between duplicate matrix spikes of the same sample was outside acceptance limits.
QS-03	Surrogate recovery outside acceptance limits
QV-01	The associated continuing calibration verification standard exhibited high bias; since the result is ND, there is no impact.

JonesEdmunds

Corporate Office:
730 NE Waldo Road, Gainesville, Florida 32641
Ph. (352) 377-5821 Fax: (352) 377-3166

Other Offices:
Jacksonville | Sarasota | Tampa | Titusville
Winter Haven | West Palm Beach

AR-057754

2556
Lab Tracking Number

CHAIN OF CUSTODY RECORD

PROJECT REFERENCE: Citrus County Central Ct | PROJECT NO.: 03860 - 090 - 01 | PAGE 1 OF 1

SAMPLER(s) NAME: Royce Gamble

CLIENT NAME: Jones Edmunds

LABORATORY NAME AND ADDRESS: ENCO LAB

☑ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT REQUIRED
Date Due: _____

SAMPLE STATION	DATE	TIME	GRAB	COMP	FIELD IDENTIFICATION NUMBER	MATRIX TYPE: SURFACE WATER	GROUND WATER	WASTEWATER	DRINKING WATER	SOIL/SOLID/SEDIMENT	NONAQUEOUS LIQUID (oil, solvent, etc.)	AIR	SLUDGE	OTHER	NUMBER OF CONTAINERS SUBMITTED	REMARKS
1 MW-11	8/2/22	1147	G	GW	225ACC-11	✓										
2 MW-12	↓	1300	G	GW	225ACC-12	✓										
3 MW-20C	↓	1458	G	GW	MW-20 (C)	✓										For MW-20 (C), unable to fill all bottles, insufficient volume of water to complete sampling. NO samples taken for 8270E PAH AG 250mL and 8081B AG 250mL
4 TB-2	↓	—	—		Trip Blank #2									✓		
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																

See Kit Request for Analysis List

INITIAL KITS RECEIVED BY	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
	7/18/22	0800		8/2/22	1725		8/3/22	9:50
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME

SHIPPING METHOD	SHIPMENT ORIGIN	SHIPMENT DESTINATION
Fedex STND overnight	Ocala FL	Orlando FL

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	LAB LOG NO.	REMARKS
			☑ YES ☐ NO		LSB1VL 0.3 °C

REV: 03/21

Jones, Edmunds, and Associates, Inc.
Environmental Consultants
730 NE Waldo Road
Gainesville, Florida 32641
(352) 377-5821 Fax (352) 377-3166

Please return a copy of this form with original lab report.

Collection Method:	Description:
BA	BAILER
BP	BLADDER PUMP
CP	CENTRIFUGAL PUMP
E	GRAB
M	METER READING
PP	PERISTALTIC PUMP
SP	SUBMERSIBLE OR IN-PLACE DEDICATED PUMP
Z	UNKNOWN

* Initial Depth to Water at Time of Sampling

Field Data Information Form

Project Name: ~~Wekiwa County WWTP~~ Citrus County Central Land Fill
Project Number: ~~22500-078-01~~ 03860 - 090 - 01
Date: 8/02/22
Sampler: Royce Gamble
Laboratory: ENCO

Sampling Station	Date	Time	pH (S. U.)	Temp (Deg C)	Conductivity (µmhos/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mV)	Static Depth to Water *	Collection Method
mw-11	8/2/22	1147	6.77	24.3	493	0.73	4.29	221.3	98.63	SP
mw-12	↓	1300	6.52	24.8	652	0.12	2.50	-42.3	96.78	SP
mw-20(c)	↓	1458	7.05	29.5	1270	4.27	26.2	145.7	113.97	SP

TO BE SUBMITTED TO LABORATORY WITH CHAIN-OF-CUSTODY

ATTACHMENT 5

FIELD DATA SHEETS

GROUNDWATER SAMPLING LOG

SITE NAME:		SITE LOCATION:	
WELL NO: MW-7C(S)	WELL WACS NO:	SAMPLE ID:	DATE: 7/25/22

PURGING DATA

WELL DIAMETER (in): 2"	TUBING DIAMETER (in): 3/8"	WELL SCREEN LENGTH: 10 From 140.69 ft to 150.45'	STATIC DEPTH TO WATER (feet): 117.68	PURGE PUMP TYPE: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (150.45 feet – 117.68 feet) X .16 gallons/foot = 5.2 gallons

Water Level Measured with: _____

PURGE METHOD: (2.3) 2.4 2.5 FS2222 Private

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

N/A = gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 128	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 128	PURGING INITIATED AT: 1338	PURGING ENDED AT: 1431	TOTAL VOLUME PURGED (gallons): 7.8

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR	ORP (mVolts)
1411	5.2	5.2	0.16	118.90	7.04	30.3	485	0.14	4.10	Mostly Clear	none	86.0
1421	1.3	6.5	0.16	119.90	7.01	30.1	491	0.15	3.90	↓	↓	83.2
1431	1.3	7.8	0.16	118.90	7.00	30.1	489	0.15	3.31	↓	↓	80.6

SAMPLING DATA

SAMPLED BY (Print) / AFFILIATION: Royce Gamble / Jones, Edmunds & Associates Inc.	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1433	SAMPLING ENDED AT: 1443

PUMP OR TUBING DEPTH IN WELL (feet): 128	SAMPLE PUMP FLOW RATE VOC Sampling Rate <100 ml/min ☑ Other Samples Rate (mL / min):	TUBING MATERIAL CODE: PE	SAMPLING EQUIPMENT CODE:
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: _____ µm Filtration Equipment Type:		DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOL	PRES. USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL PH*	INTENDED ANALYSIS

REMARKS:

- Verified Sample pH as <2 or >12 (as applicable) at MW-C(D)
- ** Screened interval referenced is depth below Top of Casing

Sky Conditions: Mostly Clear Ambient Air Temperature: 30°C
Approx. Wind Speed and Direction: <3mph

Grundfos Settings: 248 HZ Peristaltic Setting: —
Bladder Pump: CPM — Refill/Discharge — sec Pressure — PSI
Total Tubing Length: 140 feet (New Tubing)

Comments:

Hazy gray color to begin, Clears up shortly after
Watch COND, Slightly unstable

GROUNDWATER SAMPLING LOG

SITE NAME: Citrus County Central Land Fix	SITE LOCATION:		
WELL NO: MW-7(D)	WELL WACS NO:	SAMPLE ID:	DATE: 7/25/22

PURGING DATA

WELL DIAMETER (in):	TUBING DIAMETER (in): 3/8"	WELL SCREEN LENGTH: 10 From 155.83 ft to 165.83 **	STATIC DEPTH TO WATER (feet): 113.46	PURGE PUMP TYPE: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (165.83 feet – 113.46 feet) X .16 gallons/foot = 8.4 gallons Water Level Measured with: _____

PURGE METHOD: 2.3 (circled) 2.4 2.5 FS2222 Private

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)

N/A = gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 124	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 124	PURGING INITIATED AT: 1130	PURGING ENDED AT: 1234	TOTAL VOLUME PURGED (gallons): 12.6

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR	ORP (mVolts)
1212	8.4	8.4	0.20	117.48	8.10	29.1	172	3.41	1.83	Clear	none	60.0
1223	2.1	10.5	0.20	117.73	8.11	29.1	171	3.53	1.77	↓	↓	55.8
1234	2.1	12.6	0.20	117.81	8.08	29.0	169	3.61	1.51	↓	↓	60.1

SAMPLING DATA

SAMPLED BY (Print) / AFFILIATION: Royce Gamble / Jones, Edmunds & Associates Inc.	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1236	SAMPLING ENDED AT: 1246

PUMP OR TUBING DEPTH IN WELL (feet): 124	SAMPLE PUMP FLOW RATE VOC Sampling Rate <100 ml/min ☑ Other Samples Rate (mL / min):	TUBING MATERIAL CODE: PE	SAMPLING EQUIPMENT CODE:
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: _____ µm Filtration Equipment Type:		DUPLICATE: Y (N)

	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOL	PRES. USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL PH*	INTENDED ANALYSIS
** MW-7(D)	1	AG					**

REMARKS:

- Verified Sample pH as <2 or >12 (as applicable) at MW-7(D)
- ** Screened interval referenced is depth below Top of Casing

Sky Conditions: Mostly Clear Ambient Air Temperature: 30°C

Approx. Wind Speed and Direction: < 5 mph

Grundfos Settings: 254 HZ Peristaltic Setting: —

Bladder Pump: CPM — Refill/Discharge — sec Pressure — PSI

Total Tubing Length: 140 feet (New Tubing)

Comments:

** See Kit Request for Sample Kits and Intended Analysis

GROUNDWATER SAMPLING LOG

SITE NAME: Citrus County Central Land Fill	SITE LOCATION: Lecanto FL
WELL NO: EQUBLK / WELL WACS NO:	SAMPLE ID: / DATE: 7/25/22

PURGING DATA

WELL DIAMETER (in): N/A	TUBING DIAMETER (in): 3/8	WELL SCREEN LENGTH: ___ From ft to ft **	STATIC DEPTH TO WATER (feet): N/A	PURGE PUMP TYPE: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (N/A feet – feet) X gallons/foot = gallons Water Level Measured with: _____

PURGE METHOD: 2.3 2.4 2.5 FS2222 Private

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)

N/A = gallons + (gallons/foot X feet) + gallons = gallons

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	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR	ORP (mVolts)

SAMPLING DATA

SAMPLED BY (Print) / AFFILIATION: / Jones Edmunds & Associates Inc.	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1305	SAMPLING ENDED AT: 1315
Royce Gamble			

PUMP OR TUBING DEPTH IN WELL (feet): N/A	SAMPLE PUMP FLOW RATE VOC Sampling Rate <100 ml/min ☑ Other Samples Rate (mL / min): ± 500	TUBING MATERIAL CODE: PE	SAMPLING EQUIPMENT CODE: ESP
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:		DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOL	PRES. USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL PH*	INTENDED ANALYSIS
**							

REMARKS:

- Verified Sample pH as <2 or >12 (as applicable) at MW-7c (D)
- ** Screened interval referenced is depth below Top of Casing

** See attached Kit Request Sheet for Intended Analysis

Sky Conditions: Cloudy Ambient Air Temperature: 30°c

Approx. Wind Speed and Direction: E 3 mph

Grundfos Settings: 150 HZ Peristaltic Setting: —

Bladder Pump: CPM — Refill/Discharge — sec Pressure — PSI

Total Tubing Length: 140 feet (New Tubing)

Comments:

Purged Zeph Hills Dist throu Field Cleand ESP into new sample bottles throug 3/8" tubing
Zeph Hills Distilled Lot#
3/8" Tubing Lot# Bulk 3132

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr.
Orlando, FL 32824
(407) 826-5314

4810 Executive Park Court, Suite 111
Jacksonville, FL 32216-6069
(904) 296-3007 Fax (904) 296-6210

102-A Woodwinds Industrial Ct.
Cary, NC 27511
(919) 467-3090 Fax (919) 467-3515

www.encolabs.com

Client Name: Jones Edmunds & Associates, Inc. (JO006)	Project Number: 39859
Address: 730 N.E.Waldo Road Bldg.A	Project Name/Desc: Citrus Co. LF
City/ST/Zip: Gainesville, FL 32641	PO # / Billing Info: 03860-075-01
Tel: (352) 377-5821 Fax: (352) 377-3166	Reporting Contact: Elizabeth Kennelley
Sampler(s) Name, Affiliation (Print): Koyu Gambee / JEA	Billing Contact: Accounts Payable
Sampler(s) Signature:	Site Location / Time Zone: Cuanto FL / EST

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

✓ Standard

___ Expedited

Due ___/___/___

Lab Workorder: AF03870

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8011	8260D Appendix 2 FL	8270E PAH SIM,8270 App2	8151A Appendix 2	8081B Appendix 2 8082A Appendix 2	Sulfide SM4500-S F	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Na,Ni,Pb Sb,Se,Sn,Tl,V,Zn,Hg	Ammonia 350.1	Chloride 300,Nitrate as N 300,TDS SM2540C	Cyanide SM4500-CN E	Sample Comments
1	mw-7c(0)	7/25/22	1236	G	GW	15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
2	mw-7c(s)		1433	G	GW	15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3	EQUBLK		1305	G	O	15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	EQUBLK
4	Trip Blank #1	↓	-	-	O	2											QA/QC #1
5	Trip Blank #2	↓	-	-	O	2											QA/QC #2

Preservation (See Codes) (Combine as necessary)

<-- Total # of Containers

Sample Kit Prepared By: ECG	Date/Time: 05/18/22 12:30	Relinquished By:	Date/Time: 05/18/22 1230	Received By:	Date/Time: 7/15/22 0800
Comments/Special Reporting Requirements: Samples Shipped w/ Fedex STAT overnight from Ocala FL 2 Coolers		Relinquished By:	Date/Time: 7/25/22 1700	Received By:	Date/Time:
		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Cooler #'s & Temps on Receipt		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

Matrix : GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

CALIBRATION LOG Page 1 of 1

Meter ID: YSI-GNV-06 **RQ:** 21 **Project:** 03860-090-01

Temperature (Quarterly) FT 1400 Date of Last Temperature Verification **04/01/2022**

DO (FT 1500)	Name	Date	Time ET	Temp. (°C)	DO Chart (mg/L)	Meter DO (mg/L)	Pass/Fail
Calibr.	**Royce Gamble**	7/19/22	1043	21.2	8.88	8.88	P / F
ICV	↓	↓	1060	20.9	8.93	8.95	P / F
CCV	↓	↓	1540	29.8	7.58	7.61	P / F
Calibr.	↓	7/20/22	0914	24.0	8.41	8.44	P / F
ICV	↓	↓	0919	24.3	8.37	8.35	P / F
CCV	↓	↓	1621	27.7	7.87	7.92	P / F
Calibr.	↓	7/21/22	0935	24.1	8.40	8.41	P / F
ICV	↓	↓	0940	24.9	8.27	8.25	P / F
CCV	↓	↓	1714	29.3	7.65	7.70	P / F
Calibr.							P / F
ICV							P / F
CCV							P / F

DO Acceptance Criteria from Table ± 0.3 mg/L.

Spec. Cond. (FT 1200)	Name	Date	Time ET	Lot #	Expir. Date	Standard (µmhos/cm)	Meter Read. (µmhos/cm)	Pass/Fail
Calibr.	**Royce Gamble**	7/19/22	1052	#CC 21863	10/19/22	1413	1413	P / F
ICV	↓	↓	1054	#CC 22195	1/12/23	84	84	P / F
CCV	↓	↓	1542	#CC 21863	10/19/22	1413	1415	P / F
CCV	↓	↓	1544	#CC 22195	1/12/23	84	85	P / F
Calibr.	↓	7/20/22	0921	#CC 21863	10/19/22	1413	1413	P / F
ICV	↓	↓	0922	#CC 22195	1/12/23	84	84	P / F
CCV	↓	↓	1623	#CC 21863	10/19/22	1413	1414	P / F
CCV	↓	↓	1624	#CC 22195	1/12/23	84	85	P / F
Calibr.	↓	7/21/22	0942	#CC 21863	10/19/22	1413	1413	P / F
ICV	↓	↓	0944	#CC 22195	1/12/23	84	84	P / F
CCV	↓	↓	1716	#CC 21863	10/19/22	1413	1420	P / F
CCV	↓	↓	1718	#CC 22195	1/12/23	84	85	P / F
Calibr.								P / F
ICV								P / F
CCV								P / F
CCV								P / F

Conductivity Acceptance Criteria ±5%

pH (FT 1100)	Name	Date	Time ET	Lot #	Expir. Date	Standard (S.U.)	Meter Read (S.U.)	Pass/Fail
Calibr.	**Royce Gamble**	7/19/22	1056	#CC 736356	9/23/23	7.00	7.00	P / F
Calibr.	↓	↓	1058	#CC 737516	10/6/23	4.01	4.01	P / F
Calibr.	↓	↓	1100	#CC 730824	7/22/23	10.01	10.01	P / F
ICV	↓	↓	1102	#CC 725324	5/27/23	6.86	6.84	P / F
CCV	↓	↓	1546	#CC 736356	9/23/23	7.00	7.02	P / F
CCV	↓	↓	1548	#CC 737516	10/6/23	4.01	4.00	P / F
Calibr.	↓	7/20/22	0924	#CC 736356	9/23/23	7.00	7.00	P / F
Calibr.	↓	↓	0926	#CC 737516	10/6/23	4.01	4.01	P / F
CCV	↓	↓	1626	#CC 736356	9/23/23	7.00	7.07	P / F
CCV	↓	↓	1628	#CC 737516	10/6/23	4.01	4.03	P / F
Calibr.	↓	7/21/22	0946	#CC 736356	9/23/23	7.00	7.00	P / F
Calibr.	↓	↓	0948	#CC 737516	10/6/23	4.01	4.01	P / F
CCV	↓	↓	1720	#CC 736356	9/23/23	7.00	7.04	P / F
CCV	↓	↓	1722	#CC 737516	10/6/23	4.01	4.00	P / F
Calibr.								P / F
Calibr.								P / F
CCV								P / F
CCV								P / F

Instrument pH Gain _____ **Weekly (-4.579 to -5.597 acceptable) Date Determined** _____

CALIBRATION LOG Page 1 of 1

Meter ID: YSI-GNV-06 **RQ:** .21 **Project:** Citrus County Central Land Fill

Temperature (Quarterly) FT 1400 Date of Last Temperature Verification **04/01/2022**

DO (FT 1500)	Name	Date	Time ET	Temp. (°C)	DO Chart (mg/L)	Meter DO (mg/L)	Pass/Fail
Calibr.	**Royce Gamble**	7/25/22	1045	23.9	8.43	8.43	(P) / F
ICV	↓	↓	1050	26.2	8.08	8.10	(P) / F
CCV	↓	↓	1455	30.1	7.54	7.58	(P) / F
Calibr.	↓	8/01/22	1025	23.7	8.46	8.48	(P) / F
ICV	↓	↓	1030	24.0	8.41	8.43	(P) / F
CCV	↓	↓	1443	29.8	7.58	7.62	(P) / F
Calibr.	↓	8/02/22	1010	27.4	7.91	7.93	(P) / F
ICV	↓	↓	1015	27.8	7.85	7.91	(P) / F
CCV	↓	↓	1532	28.5	7.75	7.80	(P) / F
Calibr.							P / F
ICV							P / F
CCV							P / F

DO Acceptance Criteria from Table ± 0.3 mg/L.

Spec. Cond. (FT 1200)	Name	Date	Time ET	Lot #	Expir. Date	Standard (µmhos/cm)	Meter Read. (µmhos/cm)	Pass/Fail
Calibr.	**Royce Gamble**	7/25/22	1052	#CC 21863	10/19/22	1413	1413	(P) / F
ICV	↓	↓	1054	#CC 22195	1/12/23	84	84	(P) / F
CCV	↓	↓	1457	#CC 21863	10/19/22	1413	1418	(P) / F
CCV	↓	↓	1459	#CC 22195	1/12/23	.84	87	(P) / F
Calibr.	↓	8/01/22	1032	#CC 22023	11/23/22	1413	1413	(P) / F
ICV	↓	↓	1034	#CC 22195	1/12/23	84	84	(P) / F
CCV	↓	↓	1445	#CC 22023	11/23/22	1413	1418	(P) / F
CCV	↓	↓	1447	#CC 22195	1/12/23	84	86	(P) / F
Calibr.	↓	8/02/22	1017	#CC 22023	11/23/22	1413	1413	(P) / F
ICV	↓	↓	1019	#CC 22195	1/12/23	84	84	(P) / F
CCV	↓	↓	1534	#CC 22023	11/23/22	1413	1414	(P) / F
CCV	↓	↓	1536	#CC 22195	1/12/23	84	878	(P) / F
Calibr.								P / F
ICV								P / F
CCV								P / F
CCV								P / F

Conductivity Acceptance Criteria ±5%

pH (FT 1100)	Name	Date	Time ET	Lot #	Expir. Date	Standard (S.U.)	Meter Read (S.U.)	Pass/Fail
Calibr.	**Royce Gamble**	7/25/22	1057	#CC 736356	9/23/23	7.00	7.00	(P) F
Calibr.	↓	↓	1059	#CC 737516	10/6/23	4.01	4.01	(P) / F
Calibr.	↓	↓	1101	#CC 730824	7/22/23	10.01	10.00	(P) / F
ICV	↓	↓	1103	#CC 725324	5/27/23	6.86	6.97	(P) / F
CCV	↓	↓	1501	#CC 736356	9/23/23	7.00	6.98	(P) / F
CCV	↓	↓	1503	#CC 737516	10/6/23	4.01	4.03	(P) / F
Calibr.	↓	8/01/22	1036	#CC 736356	9/23/23	7.00	7.00	(P) / F
Calibr.	↓	↓	1038	#CC 737516	10/6/23	4.01	4.01	(P) / F
CCV	↓	↓	1449	#CC 736356	9/23/23	7.00	6.98	(P) / F
CCV	↓	↓	1451	#CC 737516	10/6/23	4.01	4.00	(P) / F
Calibr.	↓	8/02/22	1025	#CC 736356	9/23/23	7.00	7.00	(P) / F
Calibr.	↓	↓	1027	#CC 737516	10/6/23	4.01	4.01	(P) / F
CCV	↓	↓	1538	#CC 736356	9/23/23	7.00	6.99	(P) / F
CCV	↓	↓	1540	#CC 737516	10/6/23	4.01	4.01	(P) / F
Calibr.								P / F
Calibr.								P / F
CCV								P / F
CCV								P / F

Instrument pH Gain -5.178 **Weekly (-4.579 to -5.597 acceptable) Date Determined** 8/01/22

FT 2100 Oxidation – Reduction Potential (ORP)

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

SITE NAME Citrus County Central Class I LF DATE 7/19/22

INSTRUMENT (MAKE/MODEL#) YSI 556 MPS **INSTRUMENT #** YSI - GNV - 06

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH X ORP

☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A **Zobell's Solution Mixed Standard** **Expiration Date** ***09/29/2022***

Stock Solution Lot # 21C100633 Mix Date: 06/29/2022 **Expiration Date** **2026/12/03**

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE (mV)	Temperature (Deg C)	INSTRUMENT RESPONSE (mV)	(+/- 10 mV) DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
22/7/19	1104	A	225.6	26.8	225.6	0	yes	INIT	
↓	1551	A	220.7	30.6	219.6	1.1	yes	CONT	
22/7/20	0928	A	226.7	26.0	226.7	0	yes	INIT	
↓	1030	A	223.2	28.7	224.1	0.9	yes	CONT	
22/7/21	0950	A	226.9	25.9	226.8	0	yes	INIT	
↓	1725	A	220.5	30.8	219.3	1.2	yes	CONT	

FT 2100 Oxidation – Reduction Potential (ORP)

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

SITE NAME Citrus County Central Land Fill DATE 7/25/22

INSTRUMENT (MAKE/MODEL#) YSI 556 MPS **INSTRUMENT #** YSI - GNV - 06

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH **X** ORP

☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A Zobell's Solution Mixed Standard **Expiration Date** 09/29/2022

Stock Solution Lot # 21C100633 Mix Date: 06/29/2022 **Expiration Date** 2026/12/03

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE (mV)	Temperature (Deg C)	INSTRUMENT RESPONSE (mV)	(+/- 10 mV) DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
22/7/25	1105	A	228.5	24.4	228.5	Ø	yes	INIT	
↓	1505	A	221.0	30.4	221.7	0.7	yes	CONT	
22/8/01	1040	A	221.8	29.8	221.8	Ø	yes	INIT	
↓	1453	A	220.5	30.8	221.1	0.6	yes	CONT	
22/8/02	1030	A	222.1	29.5	222.1	Ø	yes	INIT	
↓	1542	A	221.4	30.1	220.8	0.6	yes	CONT	

Turbidity Calibration Log (DEP SOPs FT1000 & FT1600)
Regional Operations Centers

Meter ID: **TB-GNV-03** Date of Last Calibration: **06/29/2022** Project Name: **Citrus County Central Class I LF**

Quarterly Calibration

Sampler Name: **Steve Messick** Date: **06/29/2022** Time: **1800 Hrs. ETZ**

Standard Value *(Use Primary Formazin Standards)*	Exp. Date	Lot #	Type of Information Displayed During Calibration?	Value Displayed NTU	Calibration Pass / Fail *(Circle one)*
<0.1 NTU	NOV-22	A1205	Meter Reading	0.0	Pass
20 NTU	NOV-22	A1207	Meter Reading	20.0	Pass
100 NTU	NOV-22	A1202	Meter Reading	99.0	Pass
800 NTU	NOV-22	A1204	Meter Reading	800	Pass

Initial Calibration Verification (ICV) *(Only perform ICV immediately after quarterly calibr. Do not use < 0.1 NTU standard for ICV.)*

Sampler Name: **Steve Messick** Date: **06/29/2022** Time: **1800 Hrs. ETZ**

Standard Value *(Use A Primary Formazin Standard)*			Exp. Date	Lot #	Meter Reading NTU	Pass / Fail *(Circle one)*
20 NTU			NOV-22	A1207	20.2	Pass

Secondary Gel Standard Quarterly Verification *(perform gel standard verification immediately after quarterly calib. and ICV)*

Sampler Name: **Steve Messick** Date: **06/29/2022** Time: **1800 Hrs. ETZ**

Standard Value Range NTU	Previous Value Assigned NTU	Exp. Date	Lot #	Meter Reading NTU *(New value assigned)*	Acceptable Range, NTU *(Calculate using new value assigned & acceptance criteria*)*
0 – 10	5.01	N/A	N/A	4.80	<5
10 – 100	54.7	N/A	N/A	55.5	<2
100 - 1000	502	N/A	N/A	502	<0

Daily Continuing Calibration Verification (CCV) *(required every day that meter is used)*

Date	Time (24hr) ET	Sampler Name	Standard Type	Standard Value NTU	Exp. Date	Lot #	Meter Reading NTU	Pass / Fail
7/19/22	1045	Royce Gamble	Gel	4.80	N/A	N/A	4.92	P / F
↓	1046	↓	Gel	55.5	↓	↓	55.5	P / F
↓	1047	↓	Blank Cell	<0.25	↓	↓	0.19	P / F
↓	1553	↓	Gel	4.80	↓	↓	4.90	P / F
↓	1554	↓	Gel	55.5	↓	↓	55.6	P / F
↓	1555	↓	Blank Cell	<0.25	↓	↓	0.20	P / F
7/20/22	0915	↓	GEL	4.80	↓	↓	4.89	P / F

*Acceptance Criteria: 0.1-10 NTU → ± 10 %; 11-40 NTU → ± 8 %; 41-100 NTU → ± 6.5 %; >100 NTU → ± 5 %;
Acceptable ranges for common standards: 20 NTU (18.4 - 21.6 NTU); 100 NTU (93.5 – 106.5 NTU); 800 NTU (760 - 840 NTU)

Turbidity Calibration Log (DEP SOPs FT1000 & FT1600)
Regional Operations Centers

Meter ID: **TB-GNV-03** Date of Last Calibration: **06/29/2022** Project Name:

Daily Continuing Calibration Verification (CCV) *(required every day that meter is used)*

Date	Time (24hr) ET	Sampler Name	Standard Type	Standard Value NTU	Exp. Date	Lot #	Meter Reading NTU	Pass / Fail
	0916	Royce Gamble	Gel	55.5	N/A	N/A	55.8	(P) / F
	0917		Blank Cell	<0.25			0.21	(P) / F
	1632		Gel	4.80			4.89	(P) / F
	1633		Gel	55.5			55.7	(P) F
↓	1634		Blank Cell	<0.25			0.21	(P) / F
7/21/22	0934		Gel	4.80			4.92	(P) / F
	0937		Gel	55.5			55.6	(P) / F
	0938		Blank Cell	<0.25			0.21	(P) / F
	1726		Gel	4.80			4.94	(P) / F
	1727		Gel	55.5			55.6	(P) F
↓	1728		Blank Cell	<0.25			0.18	(P) / F
			Gel	4.80				P / F
			Gel	55.5				P / F
			Blank Cell	<0.25				P / F
			Gel	4.80				P / F
			Gel	55.5				P / F
			Blank Cell	<0.25				P / F

Comments:

*Acceptance Criteria: 0.1-10 NTU → ± 10 %; 11-40 NTU → ± 8 %; 41-100 NTU → ± 6.5 %; >100 NTU → ± 5 %;
Acceptable ranges for common standards: 20 NTU (18.4 - 21.6 NTU); 100 NTU (93.5 – 106.5 NTU); 800 NTU (760 - 840 NTU)

Turbidity Calibration Log (DEP SOPs FT1000 & FT1600)
Regional Operations Centers

Meter ID: **TB-GNV-03** Date of Last Calibration: **06/29/2022** Project Name: **Citrus County Central Land Fill**

Quarterly Calibration

Sampler Name: **Steve Messick** Date: **06/29/2022** Time: **1800 Hrs. ETZ**

Standard Value *(Use Primary Formazin Standards)*	Exp. Date	Lot #	Type of Information Displayed During Calibration?	Value Displayed NTU	Calibration Pass / Fail *(Circle one)*
<0.1 NTU	NOV-22	A1205	Meter Reading	0.0	Pass
20 NTU	NOV-22	A1207	Meter Reading	20.0	Pass
100 NTU	NOV-22	A1202	Meter Reading	99.0	Pass
800 NTU	NOV-22	A1204	Meter Reading	800	Pass

Initial Calibration Verification (ICV) *(Only perform ICV immediately after quarterly calibr. Do not use < 0.1 NTU standard for ICV.)*

Sampler Name: **Steve Messick** Date: **06/29/2022** Time: **1800 Hrs. ETZ**

Standard Value *(Use A Primary Formazin Standard)*			Exp. Date	Lot #	Meter Reading NTU	Pass / Fail *(Circle one)*
20 NTU			NOV-22	A1207	20.2	Pass

Secondary Gel Standard Quarterly Verification *(perform gel standard verification immediately after quarterly calib. and ICV)*

Sampler Name: **Steve Messick** Date: **06/29/2022** Time: **1800 Hrs. ETZ**

Standard Value Range NTU	Previous Value Assigned NTU	Exp. Date	Lot #	Meter Reading NTU *(New value assigned)*	Acceptable Range, NTU *(Calculate using new value assigned & acceptance criteria*)*
0 – 10	5.01	N/A	N/A	4.80	<5
10 – 100	54.7	N/A	N/A	55.5	<2
100 - 1000	502	N/A	N/A	502	<0

Daily Continuing Calibration Verification (CCV) *(required every day that meter is used)*

Date	Time (24hr) ET	Sampler Name	Standard Type	Standard Value NTU	Exp. Date	Lot #	Meter Reading NTU	Pass / Fail
7/25/22	1047	Royce Gamble	Gel	4.80	N/A	N/A	4.92	(P) / F
↓	1048	↓	Gel	55.5	↓	↓	56.0	(P) / F
↓	1049	↓	Blank Cell	<0.25	↓	↓	0.26	(P) / F
↓	1508	↓	Gel	4.80	↓	↓	4.93	(P) / F
↓	1509	↓	Gel	55.5	↓	↓	55.9	(P) / F
↓	1516	↓	Blank Cell	<0.25	↓	↓	0.26	(P) / F
8/01/22	1024	↓	GEL	4.80	↓	↓	4.90	(P) / F

*Acceptance Criteria: 0.1-10 NTU → ± 10 %; 11-40 NTU → ± 8 %; 41-100 NTU → ± 6.5 %; >100 NTU → ± 5 %;
Acceptable ranges for common standards: 20 NTU (18.4 - 21.6 NTU); 100 NTU (93.5 – 106.5 NTU); 800 NTU (760 - 840 NTU)

Turbidity Calibration Log (DEP SOPs FT1000 & FT1600)
Regional Operations Centers

Meter ID: **TB-GNV-03** Date of Last Calibration: **06/29/2022** Project Name: **Citrus County Central Land Fill**

Daily Continuing Calibration Verification (CCV) *(required every day that meter is used)*

Date	Time (24hr) ET	Sampler Name	Standard Type	Standard Value NTU	Exp. Date	Lot #	Meter Reading NTU	Pass / Fail
8/01/22	1027	Royce Gamble	Gel	55.5	N/A	N/A	55.8	(P) / F
	1028		Blank Cell	<0.25			0.26	(P) / F
	1456		Gel	4.80			4.87	(P) / F
	1457		Gel	55.5			55.8	(P) / F
↓	1458		Blank Cell	<0.25			0.22	(P) / F
8/02/22	1011		Gel	4.80			4.88	(P) F
	1012		Gel	55.5			55.8	(P) / F
	1013		Blank Cell	<0.25			0.27	(P) F
	1544		Gel	4.80			4.91	(P) / F
	1545		Gel	55.5			55.6	(P) / F
↓	1546		Blank Cell	<0.25			0.23	(P) / F
			Gel	4.80				P / F
			Gel	55.5				P / F
			Blank Cell	<0.25				P / F
			Gel	4.80				P / F
			Gel	55.5				P / F
			Blank Cell	<0.25				P / F

Comments:

*Acceptance Criteria: 0.1-10 NTU → ± 10 %; 11-40 NTU → ± 8 %; 41-100 NTU → ± 6.5 %; >100 NTU → ± 5 %;
Acceptable ranges for common standards: 20 NTU (18.4 - 21.6 NTU); 100 NTU (93.5 – 106.5 NTU); 800 NTU (760 - 840 NTU)

GENERAL SAMPLING NOTES AND CONVENTIONS

1. All sampling was performed according to the FDEP Standard Operating Procedures as listed in DEP-SOP-001/01 (Field Procedures) dated March 31, 2008 (Effective 12/3/08).

2. Field cleaning and decontamination has been done in accordance with DEP-SOP-001/01 (Field Procedures), FC-1000.

3. Tubing and filter cartridge lot numbers for all sampling points and wells are the same as those listed for that tubing type on the Equipment Blank data form(s) covering that equipment system.

4. Tubing suppliers/manufacturers are named in the following list:

• HDPE disposable tubing	US Plastics
• Tygon tubing	Cole Parmer
• Norprene tubing	Cole Parmer
• Silicon tubing	Cole Parmer

5. Field instrument calibrations were conducted in accordance with DEP-SOP-001/01 (Field Procedures), FT1000.

6. Calibration solution and gas suppliers are named in the following list:

• pH calibration solutions	Cole Parmer/Oakton
• Conductivity calibration solutions	Cole Parmer/Oakton
• Dissolved Oxygen probe membranes	YSI
• ORP calibration solutions	YSI
• Turbidity calibration solutions/gel standards	Hach
• TVA calibration gas cylinders	Airgas
• Eagle RKI calibration gas cylinders	Airgas

7. All samples collected were grab samples.

8. All sample containers requiring added preservative were supplied pre-preserved from the laboratory. No additional preservative was added in the field.

9. A combination of a front-bumper-mounted gasoline generator and an electric air compressor or compressed nitrogen is used to power the Grundfos electric submersible pump and bladder pump systems, as appropriate.

10. Screened intervals are assumed to be at the bottom of all monitoring wells sampled unless otherwise noted.

11. Well purge method indications on the field data sheets correspond to DEP-SOP-001/01 (Field Procedures), FS2000 sections as indicated below:

Data Sheet Designation	SOP Designation
2.3	FS 2212.2.3
2.4	FS 2212.2.4
2.5	FS 2212.2.5
2222 or 3.7.1	FS 2222 or 2212.3.7.1
Private	FS 2215.1 & 2215.2 (Jones Edmunds SOP for private well sampling)

Comments or Exceptions

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

SITE NAME: **Quarterly Temperature check** DATE: **04/01/2022**

INSTRUMENT (MAKE/MODEL#) **YSI 556 MPS** INSTRUMENT # **YSI-GNV-06**

PARAMETER: *[check only one]*

X **TEMPERATURE** ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP

☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A **NIST Thermometer 10.0 °C** **#94748 Cal Date: 06/26/21**

Standard B **NIST Thermometer 25.0 °C** **#94748 Exp. Date: 06/26/22**

Standard C **NIST Thermometer 40.0 °C**

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE (°C)	INSTRUMENT RESPONSE (°C)	(+/- 0.5°C) DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	CALIBRATOR INITIALS
Meter 06								
22/04/01	1021	A	10.0	10.03	0.3	yes	init	WERG
22/04/01	1035	B	25.0	25.02	0.02	yes	cont	WERG
22/04/01	1050	C	40.0	39.84	0.16	yes	cont	WERG

REFERENCE FACTORS FOR FIELD SAMPLING DATA SHEETS

WELL CAPACITY (Gallons / 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 (Gallons / Foot):

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**

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other

PURGING EQUIPMENT CODES **B** = Bailer **BP** = Bladder Pump **ESP** = Electric Submersible Pump **PP** = Peristaltic Pump

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltid Pump **RFPP** = Reverse Flow Peristaltic Pump **O** = Other (Specify) **SM** = Straw Method (Tubing Gravity Drain) **VT** = Vacuum Trap

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, ± 0.2 mg/L or ± 10% (whichever is greater)**

Turbidity: **all readings ≤ 20 NTU optionally ± 5 NTU or ± 10% (whichever is greater)**

gal/min	= ml/min	gal/min	= ml/min	gal/min	= ml/min
0.026	100	0.211	800	0.396	1500
0.053	200	0.238	900	0.423	1600
0.079	300	0.264	1000	0.449	1700
0.106	400	0.291	1100	0.476	1800
0.132	500	0.317	1200	0.502	1900
0.159	600	0.343	1300	0.528	2000
0.185	700	0.370	1400		

GROUNDWATER SAMPLING LOG

SITE NAME: Citrus County Central LF	SITE LOCATION: Lecanto FL	
WELL NO: MW-20(c)	WELL WACS NO:	SAMPLE ID:	DATE: 8/02/22

PURGING DATA

WELL DIAMETER(in):	TUBING DIAMETER (in):	SCREEN LENGTH: ft 20' From ft 105 to ft** 125	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE:
2" PVC	3/8"		113.97	ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = ((125 - 113.97) feet – feet) X .16 gallons/foot = gallons

Water Level measured with: GNU-3 | PURGE METHOD:

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 122	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 122	PURGING INITIATED AT: 1440	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR	ORP (mVolts)
1454	—	—	—	121.08	~~7.06~~ 7.05	29.5	1270	4.27	26.2	Light Cloudy Haze	none	145.

SAMPLING DATA

SAMPLED BY (Print) / AFFILIATION: Royce Gamble / Jones Edmunds	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1458	SAMPLING ENDED AT: 1509

PUMP OR TUBING DEPTH IN WELL (feet): 122	SAMPLE PUMP VOC Sampling Rate 100-400 ml/min ☐ FLOW RATE Other Samples Rate (mL / min):	TUBING MATERIAL CODE:	SAMPLING EQUIPMENT CODE:
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:		DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOL	PRES. USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL PH*	INTENDED ANALYSIS
**							

REMARKS:

* Verified Sample pH as <2 or >12 (as applicable) at MW-7(D)
** Screened interval referenced is depth below Top of Casing
Sky Conditions: Cloudy Ambient Air Temperature: 31°C
Approx. Wind Speed and Direction: <3 mph

Grundfos Settings: ____HZ Peristaltic Setting: —
Bladder Pump: CPM — Refill/Discharge —/— sec Pressure — PSI
Total Tubing Length: ____ feet (New Tubing)

COMMENTS: Total Well Depth = ____ by ____ date ____

well purged dry, collected sample from tubing

JonesEdmunds

Corporate Office:
730 NE Waldo Road, Gainesville, Florida 32641
Ph. (352) 377-5821 Fax: (352) 377-3166

Other Offices:
Jacksonville | Sarasota | Tampa | Titusville
Winter Haven | West Palm Beach

2556
Lab Tracking Number

CHAIN OF CUSTODY RECORD

PROJECT REFERENCE: Citrus County Central CF | PROJECT NO.: 03800-090-01 | PAGE 1 OF 1

SAMPLER(s) NAME: Royce Gamble

CLIENT NAME: Jones Edmunds

LABORATORY NAME AND ADDRESS: ENCO LAB

☑ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT REQUIRED
Date Due: _____

SAMPLE STATION	DATE	TIME	GRAB	COMP	FIELD IDENTIFICATION NUMBER	MATRIX TYPE: SURFACE WATER	GROUND WATER	WASTEWATER	DRINKING WATER	SOIL/SOLID/SEDIMENT	NONAQUEOUS LIQUID (oil, solvent, etc.)	AIR	SLUDGE	OTHER	PRESERVATIVE / NUMBER OF CONTAINERS SUBMITTED	REMARKS
1 mw-11	8/2/22	1147	G	GW	225ICC-11		✓									
2 mw-12	↓	1300	G	GW	225ICC-12		✓									
3 mw-20c	↓	1459	G	GW	mw-20 (c)		✓									For mw-20 (c), unable to fill all bottles, insufficient volume of water to complete sampling. NO samples taken for 8270C PAH AG 250 mL and 8081B AG 250 mL
4	↓	-	-		Trip Blank#									✓		
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																

See Kit Request & Analysis List

INITIAL KITS RECEIVED BY	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
	7/18/22	0900		8/2/22	1725			
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME

SHIPPING METHOD	SHIPMENT ORIGIN	SHIPMENT DESTINATION
Fedex STNO overnight	Ocala FL	Orlando FL

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	LAB LOG NO.	REMARKS
			☐ YES ☐ NO		

REV: 03/21

CALIBRATION LOG Page 1 of 1

Meter ID: YSI-GNV-06 **RQ:** 21 **Project:** 03860-090-01

Temperature (Quarterly) FT 1400 Date of Last Temperature Verification **04/01/2022**

DO (FT 1500)	Name	Date	Time ET	Temp. (°C)	DO Chart (mg/L)	Meter DO (mg/L)	Pass/Fail
Calibr.	**Royce Gamble**	7/19/22	1043	21.2	8.88	8.88	P / F
ICV	↓	↓	1060	20.9	8.93	8.95	P / F
CCV	↓	↓	1540	29.8	7.58	7.61	P / F
Calibr.	↓	7/20/22	0914	24.0	8.41	8.44	P / F
ICV	↓	↓	0919	24.3	8.37	8.35	P / F
CCV	↓	↓	1621	27.7	7.87	7.92	P / F
Calibr.	↓	7/21/22	0935	24.1	8.40	8.41	P / F
ICV	↓	↓	0940	24.9	8.27	8.25	P / F
CCV	↓	↓	1714	29.3	7.65	7.70	P / F
Calibr.							P / F
ICV							P / F
CCV							P / F

DO Acceptance Criteria from Table ± 0.3 mg/L.

Spec. Cond. (FT 1200)	Name	Date	Time ET	Lot #	Expir. Date	Standard (µmhos/cm)	Meter Read. (µmhos/cm)	Pass/Fail
Calibr.	**Royce Gamble**	7/19/22	1052	#CC 21863	10/19/22	1413	1413	P / F
ICV	↓	↓	1054	#CC 22195	1/12/23	84	84	P / F
CCV	↓	↓	1542	#CC 21863	10/19/22	1413	1415	P / F
CCV	↓	↓	1544	#CC 22195	1/12/23	84	85	P / F
Calibr.	↓	7/20/22	0921	#CC 21863	10/19/22	1413	1413	P / F
ICV	↓	↓	0922	#CC 22195	1/12/23	84	84	P / F
CCV	↓	↓	1623	#CC 21863	10/19/22	1413	1414	P / F
CCV	↓	↓	1624	#CC 22195	1/12/23	84	85	P / F
Calibr.	↓	7/21/22	0942	#CC 21863	10/19/22	1413	1413	P / F
ICV	↓	↓	0944	#CC 22195	1/12/23	84	84	P / F
CCV	↓	↓	1716	#CC 21863	10/19/22	1413	1420	P / F
CCV	↓	↓	1718	#CC 22195	1/12/23	84	85	P / F
Calibr.								P / F
ICV								P / F
CCV								P / F
CCV								P / F

Conductivity Acceptance Criteria ±5%

pH (FT 1100)	Name	Date	Time ET	Lot #	Expir. Date	Standard (S.U.)	Meter Read (S.U.)	Pass/Fail
Calibr.	**Royce Gamble**	7/19/22	1056	#CC 736356	9/23/23	7.00	7.00	P / F
Calibr.	↓	↓	1058	#CC 737516	10/6/23	4.01	4.01	P / F
Calibr.	↓	↓	1100	#CC 730824	7/22/23	10.01	10.01	P / F
ICV	↓	↓	1102	#CC 725324	5/27/23	6.86	6.84	P / F
CCV	↓	↓	1546	#CC 736356	9/23/23	7.00	7.02	P / F
CCV	↓	↓	1548	#CC 737516	10/6/23	4.01	4.00	P / F
Calibr.	↓	7/20/22	0924	#CC 736356	9/23/23	7.00	7.00	P / F
Calibr.	↓	↓	0926	#CC 737516	10/6/23	4.01	4.01	P / F
CCV	↓	↓	1626	#CC 736356	9/23/23	7.00	7.07	P / F
CCV	↓	↓	1628	#CC 737516	10/6/23	4.01	4.03	P / F
Calibr.	↓	7/21/22	0946	#CC 736356	9/23/23	7.00	7.00	P / F
Calibr.	↓	↓	0948	#CC 737516	10/6/23	4.01	4.01	P / F
CCV	↓	↓	1720	#CC 736356	9/23/23	7.00	7.04	P / F
CCV	↓	↓	1722	#CC 737516	10/6/23	4.01	4.00	P / F
Calibr.								P / F
Calibr.								P / F
CCV								P / F
CCV								P / F

Instrument pH Gain _____ **Weekly (-4.579 to -5.597 acceptable) Date Determined** _____

CALIBRATION LOG Page 1 of 1

Meter ID: YSI-GNV-06 **RQ:** .21 **Project:** Citrus County Central Land Fill

Temperature (Quarterly) FT 1400 Date of Last Temperature Verification **04/01/2022**

DO (FT 1500)	Name	Date	Time ET	Temp. (°C)	DO Chart (mg/L)	Meter DO (mg/L)	Pass/Fail
Calibr.	**Royce Gamble**	7/25/22	1045	23.9	8.43	8.43	(P) / F
ICV	↓	↓	1050	26.2	8.08	8.10	(P) / F
CCV	↓	↓	1455	30.1	7.54	7.58	(P) / F
Calibr.	↓	8/01/22	1025	23.7	8.46	8.48	(P) / F
ICV	↓	↓	1030	24.0	8.41	8.43	(P) / F
CCV	↓	↓	1443	29.8	7.58	7.62	(P) / F
Calibr.	↓	8/02/22	1010	27.4	7.91	7.93	(P) / F
ICV	↓	↓	1015	27.8	7.85	7.91	(P) / F
CCV	↓	↓	1532	28.5	7.75	7.80	(P) / F
Calibr.							P / F
ICV							P / F
CCV							P / F

DO Acceptance Criteria from Table ± 0.3 mg/L.

Spec. Cond. (FT 1200)	Name	Date	Time ET	Lot #	Expir. Date	Standard (µmhos/cm)	Meter Read. (µmhos/cm)	Pass/Fail
Calibr.	**Royce Gamble**	7/25/22	1052	#CC 21863	10/19/22	1413	1413	(P) / F
ICV	↓	↓	1054	#CC 22195	1/12/23	84	84	(P) / F
CCV	↓	↓	1457	#CC 21863	10/19/22	1413	1418	(P) / F
CCV	↓	↓	1459	#CC 22195	1/12/23	.84	87	(P) / F
Calibr.	↓	8/01/22	1032	#CC 22023	11/23/22	1413	1413	(P) / F
ICV	↓	↓	1034	#CC 22195	1/12/23	84	84	(P) / F
CCV	↓	↓	1445	#CC 22023	11/23/22	1413	1418	(P) / F
CCV	↓	↓	1447	#CC 22195	1/12/23	84	86	(P) / F
Calibr.	↓	8/02/22	1017	#CC 22023	11/23/22	1413	1413	(P) / F
ICV	↓	↓	1019	#CC 22195	1/12/23	84	84	(P) / F
CCV	↓	↓	1534	#CC 22023	11/23/22	1413	1414	(P) / F
CCV	↓	↓	1536	#CC 22195	1/12/23	84	878	(P) / F
Calibr.								P / F
ICV								P / F
CCV								P / F
CCV								P / F

Conductivity Acceptance Criteria ±5%

pH (FT 1100)	Name	Date	Time ET	Lot #	Expir. Date	Standard (S.U.)	Meter Read (S.U.)	Pass/Fail
Calibr.	**Royce Gamble**	7/25/22	1057	#CC 736356	9/23/23	7.00	7.00	(P) F
Calibr.	↓	↓	1059	#CC 737516	10/6/23	4.01	4.01	(P) / F
Calibr.	↓	↓	1101	#CC 730824	7/22/23	10.01	10.00	(P) / F
ICV	↓	↓	1103	#CC 725324	5/27/23	6.86	6.97	(P) / F
CCV	↓	↓	1501	#CC 736356	9/23/23	7.00	6.98	(P) / F
CCV	↓	↓	1503	#CC 737516	10/6/23	4.01	4.03	(P) / F
Calibr.	↓	8/01/22	1036	#CC 736356	9/23/23	7.00	7.00	(P) / F
Calibr.	↓	↓	1038	#CC 737516	10/6/23	4.01	4.01	(P) / F
CCV	↓	↓	1449	#CC 736356	9/23/23	7.00	6.98	(P) / F
CCV	↓	↓	1451	#CC 737516	10/6/23	4.01	4.00	(P) / F
Calibr.	↓	8/02/22	1025	#CC 736356	9/23/23	7.00	7.00	(P) / F
Calibr.	↓	↓	1027	#CC 737516	10/6/23	4.01	4.01	(P) / F
CCV	↓	↓	1538	#CC 736356	9/23/23	7.00	6.99	(P) / F
CCV	↓	↓	1540	#CC 737516	10/6/23	4.01	4.01	(P) / F
Calibr.								P / F
Calibr.								P / F
CCV								P / F
CCV								P / F

Instrument pH Gain -5.178 **Weekly (-4.579 to -5.597 acceptable) Date Determined** 8/01/22

FT 2100 Oxidation – Reduction Potential (ORP)

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

SITE NAME Citrus County Central Class I LF DATE 7/19/22

INSTRUMENT (MAKE/MODEL#) YSI 556 MPS **INSTRUMENT #** YSI - GNV - 06

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH X ORP

☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A **Zobell's Solution Mixed Standard** **Expiration Date** ***09/29/2022***

Stock Solution Lot # 21C100633 Mix Date: 06/29/2022 **Expiration Date** **2026/12/03**

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE (mV)	Temperature (Deg C)	INSTRUMENT RESPONSE (mV)	(+/- 10 mV) DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
22/7/19	1104	A	225.6	26.8	225.6	0	yes	INIT	
↓	1551	A	220.7	30.6	219.6	1.1	yes	CONT	
22/7/20	0928	A	226.7	26.0	226.7	0	yes	INIT	
↓	1030	A	223.2	28.7	224.1	0.9	yes	CONT	
22/7/21	0950	A	226.9	25.9	226.8	0	yes	INIT	
↓	1725	A	220.5	30.8	219.3	1.2	yes	CONT	

FT 2100 Oxidation – Reduction Potential (ORP)

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

SITE NAME Citrus County Central Land Fill DATE 7/25/22

INSTRUMENT (MAKE/MODEL#) YSI 556 MPS **INSTRUMENT #** YSI - GNV - 06

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH **X** ORP

☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A Zobell's Solution Mixed Standard **Expiration Date** 09/29/2022

Stock Solution Lot # 21C100633 Mix Date: 06/29/2022 **Expiration Date** 2026/12/03

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE (mV)	Temperature (Deg C)	INSTRUMENT RESPONSE (mV)	(+/- 10 mV) DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
22/7/25	1105	A	228.5	24.4	228.5	Ø	yes	INIT	
↓	1505	A	221.0	30.4	221.7	0.7	yes	CONT	
22/8/01	1040	A	221.8	29.8	221.8	Ø	yes	INIT	
↓	1453	A	220.5	30.8	221.1	0.6	yes	CONT	
22/8/02	1030	A	222.1	29.5	222.1	Ø	yes	INIT	
↓	1542	A	221.4	30.1	220.8	0.6	yes	CONT	

Turbidity Calibration Log (DEP SOPs FT1000 & FT1600)
Regional Operations Centers

Meter ID: **TB-GNV-03** Date of Last Calibration: **06/29/2022** Project Name: **Citrus County Central Class I LF**

Quarterly Calibration

Sampler Name: **Steve Messick** Date: **06/29/2022** Time: **1800 Hrs. ETZ**

Standard Value *(Use Primary Formazin Standards)*	Exp. Date	Lot #	Type of Information Displayed During Calibration?	Value Displayed NTU	Calibration Pass / Fail *(Circle one)*
<0.1 NTU	NOV-22	A1205	Meter Reading	0.0	Pass
20 NTU	NOV-22	A1207	Meter Reading	20.0	Pass
100 NTU	NOV-22	A1202	Meter Reading	99.0	Pass
800 NTU	NOV-22	A1204	Meter Reading	800	Pass

Initial Calibration Verification (ICV) *(Only perform ICV immediately after quarterly calibr. Do not use < 0.1 NTU standard for ICV.)*

Sampler Name: **Steve Messick** Date: **06/29/2022** Time: **1800 Hrs. ETZ**

Standard Value *(Use A Primary Formazin Standard)*			Exp. Date	Lot #	Meter Reading NTU	Pass / Fail *(Circle one)*
20 NTU			NOV-22	A1207	20.2	Pass

Secondary Gel Standard Quarterly Verification *(perform gel standard verification immediately after quarterly calib. and ICV)*

Sampler Name: **Steve Messick** Date: **06/29/2022** Time: **1800 Hrs. ETZ**

Standard Value Range NTU	Previous Value Assigned NTU	Exp. Date	Lot #	Meter Reading NTU *(New value assigned)*	Acceptable Range, NTU *(Calculate using new value assigned & acceptance criteria*)*
0 – 10	5.01	N/A	N/A	4.80	<5
10 – 100	54.7	N/A	N/A	55.5	<2
100 - 1000	502	N/A	N/A	502	<0

Daily Continuing Calibration Verification (CCV) *(required every day that meter is used)*

Date	Time (24hr) ET	Sampler Name	Standard Type	Standard Value NTU	Exp. Date	Lot #	Meter Reading NTU	Pass / Fail
7/19/22	1045	Royce Gamble	Gel	4.80	N/A	N/A	4.92	P / F
↓	1046	↓	Gel	55.5	↓	↓	55.5	P / F
↓	1047	↓	Blank Cell	<0.25	↓	↓	0.19	P / F
↓	1553	↓	Gel	4.80	↓	↓	4.90	P / F
↓	1554	↓	Gel	55.5	↓	↓	55.6	P / F
↓	1555	↓	Blank Cell	<0.25	↓	↓	0.20	P / F
7/20/22	0915	↓	GEL	4.80	↓	↓	4.89	P / F

*Acceptance Criteria: 0.1-10 NTU → ± 10 %; 11-40 NTU → ± 8 %; 41-100 NTU → ± 6.5 %; >100 NTU → ± 5 %;
Acceptable ranges for common standards: 20 NTU (18.4 - 21.6 NTU); 100 NTU (93.5 – 106.5 NTU); 800 NTU (760 - 840 NTU)

Turbidity Calibration Log (DEP SOPs FT1000 & FT1600)
Regional Operations Centers

Meter ID: **TB-GNV-03** Date of Last Calibration: **06/29/2022** Project Name:

Daily Continuing Calibration Verification (CCV) *(required every day that meter is used)*

Date	Time (24hr) ET	Sampler Name	Standard Type	Standard Value NTU	Exp. Date	Lot #	Meter Reading NTU	Pass / Fail
	0916	Royce Gamble	Gel	55.5	N/A	N/A	55.8	(P) / F
	0917		Blank Cell	<0.25			0.21	(P) / F
	1632		Gel	4.80			4.89	(P) / F
	1633		Gel	55.5			55.7	(P) F
↓	1634		Blank Cell	<0.25			0.21	(P) / F
7/21/22	0934		Gel	4.80			4.92	(P) / F
	0937		Gel	55.5			55.6	(P) / F
	0938		Blank Cell	<0.25			0.21	(P) / F
	1726		Gel	4.80			4.94	(P) / F
	1727		Gel	55.5			55.6	(P) F
↓	1728		Blank Cell	<0.25			0.18	(P) / F
			Gel	4.80				P / F
			Gel	55.5				P / F
			Blank Cell	<0.25				P / F
			Gel	4.80				P / F
			Gel	55.5				P / F
			Blank Cell	<0.25				P / F

Comments:

*Acceptance Criteria: 0.1-10 NTU → ± 10 %; 11-40 NTU → ± 8 %; 41-100 NTU → ± 6.5 %; >100 NTU → ± 5 %;
Acceptable ranges for common standards: 20 NTU (18.4 - 21.6 NTU); 100 NTU (93.5 – 106.5 NTU); 800 NTU (760 - 840 NTU)

Turbidity Calibration Log (DEP SOPs FT1000 & FT1600)
Regional Operations Centers

Meter ID: **TB-GNV-03** Date of Last Calibration: **06/29/2022** Project Name: **Citrus County Central Land Fill**

Quarterly Calibration

Sampler Name: **Steve Messick** Date: **06/29/2022** Time: **1800 Hrs. ETZ**

Standard Value *(Use Primary Formazin Standards)*	Exp. Date	Lot #	Type of Information Displayed During Calibration?	Value Displayed NTU	Calibration Pass / Fail *(Circle one)*
<0.1 NTU	NOV-22	A1205	Meter Reading	0.0	Pass
20 NTU	NOV-22	A1207	Meter Reading	20.0	Pass
100 NTU	NOV-22	A1202	Meter Reading	99.0	Pass
800 NTU	NOV-22	A1204	Meter Reading	800	Pass

Initial Calibration Verification (ICV) *(Only perform ICV immediately after quarterly calibr. Do not use < 0.1 NTU standard for ICV.)*

Sampler Name: **Steve Messick** Date: **06/29/2022** Time: **1800 Hrs. ETZ**

Standard Value *(Use A Primary Formazin Standard)*			Exp. Date	Lot #	Meter Reading NTU	Pass / Fail *(Circle one)*
20 NTU			NOV-22	A1207	20.2	Pass

Secondary Gel Standard Quarterly Verification *(perform gel standard verification immediately after quarterly calib. and ICV)*

Sampler Name: **Steve Messick** Date: **06/29/2022** Time: **1800 Hrs. ETZ**

Standard Value Range NTU	Previous Value Assigned NTU	Exp. Date	Lot #	Meter Reading NTU *(New value assigned)*	Acceptable Range, NTU *(Calculate using new value assigned & acceptance criteria*)*
0 – 10	5.01	N/A	N/A	4.80	<5
10 – 100	54.7	N/A	N/A	55.5	<2
100 - 1000	502	N/A	N/A	502	<0

Daily Continuing Calibration Verification (CCV) *(required every day that meter is used)*

Date	Time (24hr) ET	Sampler Name	Standard Type	Standard Value NTU	Exp. Date	Lot #	Meter Reading NTU	Pass / Fail
7/25/22	1047	Royce Gamble	Gel	4.80	N/A	N/A	4.92	(P) / F
↓	1048	↓	Gel	55.5	↓	↓	56.0	(P) / F
↓	1049	↓	Blank Cell	<0.25	↓	↓	0.26	(P) / F
↓	1508	↓	Gel	4.80	↓	↓	4.93	(P) / F
↓	1509	↓	Gel	55.5	↓	↓	55.9	(P) / F
↓	1516	↓	Blank Cell	<0.25	↓	↓	0.26	(P) / F
8/01/22	1024	↓	GEL	4.80	↓	↓	4.90	(P) / F

*Acceptance Criteria: 0.1-10 NTU → ± 10 %; 11-40 NTU → ± 8 %; 41-100 NTU → ± 6.5 %; >100 NTU → ± 5 %;
Acceptable ranges for common standards: 20 NTU (18.4 - 21.6 NTU); 100 NTU (93.5 – 106.5 NTU); 800 NTU (760 - 840 NTU)

Turbidity Calibration Log (DEP SOPs FT1000 & FT1600)
Regional Operations Centers

Meter ID: **TB-GNV-03** Date of Last Calibration: **06/29/2022** Project Name: **Citrus County Central Land Fill**

Daily Continuing Calibration Verification (CCV) *(required every day that meter is used)*

Date	Time (24hr) ET	Sampler Name	Standard Type	Standard Value NTU	Exp. Date	Lot #	Meter Reading NTU	Pass / Fail
8/01/22	1027	Royce Gamble	Gel	55.5	N/A	N/A	55.8	(P) / F
	1028		Blank Cell	<0.25			0.26	(P) / F
	1456		Gel	4.80			4.87	(P) / F
	1457		Gel	55.5			55.8	(P) / F
↓	1458		Blank Cell	<0.25			0.22	(P) / F
8/02/22	1011		Gel	4.80			4.88	(P) F
	1012		Gel	55.5			55.8	(P) / F
	1013		Blank Cell	<0.25			0.27	(P) F
	1544		Gel	4.80			4.91	(P) / F
	1545		Gel	55.5			55.6	(P) / F
↓	1546		Blank Cell	<0.25			0.23	(P) / F
			Gel	4.80				P / F
			Gel	55.5				P / F
			Blank Cell	<0.25				P / F
			Gel	4.80				P / F
			Gel	55.5				P / F
			Blank Cell	<0.25				P / F

Comments:

*Acceptance Criteria: 0.1-10 NTU → ± 10 %; 11-40 NTU → ± 8 %; 41-100 NTU → ± 6.5 %; >100 NTU → ± 5 %;
Acceptable ranges for common standards: 20 NTU (18.4 - 21.6 NTU); 100 NTU (93.5 – 106.5 NTU); 800 NTU (760 - 840 NTU)

GENERAL SAMPLING NOTES AND CONVENTIONS

1. All sampling was performed according to the FDEP Standard Operating Procedures as listed in DEP-SOP-001/01 (Field Procedures) dated March 31, 2008 (Effective 12/3/08).

2. Field cleaning and decontamination has been done in accordance with DEP-SOP-001/01 (Field Procedures), FC-1000.

3. Tubing and filter cartridge lot numbers for all sampling points and wells are the same as those listed for that tubing type on the Equipment Blank data form(s) covering that equipment system.

4. Tubing suppliers/manufacturers are named in the following list:

• HDPE disposable tubing	US Plastics
• Tygon tubing	Cole Parmer
• Norprene tubing	Cole Parmer
• Silicon tubing	Cole Parmer

5. Field instrument calibrations were conducted in accordance with DEP-SOP-001/01 (Field Procedures), FT1000.

6. Calibration solution and gas suppliers are named in the following list:

• pH calibration solutions	Cole Parmer/Oakton
• Conductivity calibration solutions	Cole Parmer/Oakton
• Dissolved Oxygen probe membranes	YSI
• ORP calibration solutions	YSI
• Turbidity calibration solutions/gel standards	Hach
• TVA calibration gas cylinders	Airgas
• Eagle RKI calibration gas cylinders	Airgas

7. All samples collected were grab samples.

8. All sample containers requiring added preservative were supplied pre-preserved from the laboratory. No additional preservative was added in the field.

9. A combination of a front-bumper-mounted gasoline generator and an electric air compressor or compressed nitrogen is used to power the Grundfos electric submersible pump and bladder pump systems, as appropriate.

10. Screened intervals are assumed to be at the bottom of all monitoring wells sampled unless otherwise noted.

11. Well purge method indications on the field data sheets correspond to DEP-SOP-001/01 (Field Procedures), FS2000 sections as indicated below:

Data Sheet Designation	SOP Designation
2.3	FS 2212.2.3
2.4	FS 2212.2.4
2.5	FS 2212.2.5
2222 or 3.7.1	FS 2222 or 2212.3.7.1
Private	FS 2215.1 & 2215.2 (Jones Edmunds SOP for private well sampling)

Comments or Exceptions

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

SITE NAME: **Quarterly Temperature check** DATE: **04/01/2022**

INSTRUMENT (MAKE/MODEL#) **YSI 556 MPS** INSTRUMENT # **YSI-GNV-06**

PARAMETER: *[check only one]*

X **TEMPERATURE** ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP

☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A **NIST Thermometer 10.0 °C** **#94748 Cal Date: 06/26/21**

Standard B **NIST Thermometer 25.0 °C** **#94748 Exp. Date: 06/26/22**

Standard C **NIST Thermometer 40.0 °C**

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE (°C)	INSTRUMENT RESPONSE (°C)	(+/- 0.5°C) DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	CALIBRATOR INITIALS
Meter 06								
22/04/01	1021	A	10.0	10.03	0.3	yes	init	WERG
22/04/01	1035	B	25.0	25.02	0.02	yes	cont	WERG
22/04/01	1050	C	40.0	39.84	0.16	yes	cont	WERG

REFERENCE FACTORS FOR FIELD SAMPLING DATA SHEETS

WELL CAPACITY (Gallons / 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 (Gallons / Foot):

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**

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other

PURGING EQUIPMENT CODES **B** = Bailer **BP** = Bladder Pump **ESP** = Electric Submersible Pump **PP** = Peristaltic Pump

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltid Pump **RFPP** = Reverse Flow Peristaltic Pump **O** = Other (Specify) **SM** = Straw Method (Tubing Gravity Drain) **VT** = Vacuum Trap

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, ± 0.2 mg/L or ± 10% (whichever is greater)**

Turbidity: **all readings ≤ 20 NTU optionally ± 5 NTU or ± 10% (whichever is greater)**

gal/min	= ml/min	gal/min	= ml/min	gal/min	= ml/min
0.026	100	0.211	800	0.396	1500
0.053	200	0.238	900	0.423	1600
0.079	300	0.264	1000	0.449	1700
0.106	400	0.291	1100	0.476	1800
0.132	500	0.317	1200	0.502	1900
0.159	600	0.343	1300	0.528	2000
0.185	700	0.370	1400		