Earth Systems
Environmental Engineering

November 7, 2023

Mr. Jack Roberts
Florida Department of Environmental Protection
Petroleum Restoration Program, Team 1
2600 Blair Stone Road, MS 4633
Tallahassee, Florida 32399-2400

RE: Remedial Action General Report
Tropical Chevron
2995 Highway 44 (at I-95)
New Smyrna Beach, Florida
FDEP # 64/8517300 / PO # C153EF

Dear Mr. Roberts:

Earth Systems has prepared this *Remedial Action General Report (RAGR)* summarizing the field activities and data collected at Tropical Chevron located in New Smyrna Beach, Florida. Field activities included installation of three monitoring wells and the collection of 24 groundwater samples for laboratory analysis. This report includes a summary of the groundwater analytical results, groundwater flow direction, conclusions, and a recommendation to conduct Natural Attenuation Monitoring (NAM).

SITE HISTORY

The site originally stored petroleum products in underground storage tanks (USTs) located on the northern portion of the site. No data regarding the installation date, contents, use, or date of removal for the original USTs were available. In 1983, three 10,000-gallon tanks used to store unleaded gasoline were installed in a new tank pit located southeast of the original USTs. In May 2009, the 10,000-gallon tanks were replaced with two 15,000-gallon double-walled tanks installed in the same UST pit and remain in service. A site plan illustrating the site layout and monitoring well locations is included as **Figure 1**.

Discharge reporting forms were submitted to FDEP in December 1988 and October 1989 based upon dissolved hydrocarbon compounds detected in the site's compliance wells. Both discharges were deemed eligible for coverage under the Early Detection Incentive program. Contamination assessment activities were initiated by Groundwater Technology, Inc., in November 1991. Ten shallow monitoring wells (MW-5 through MW-14) and three deep wells (PZ-1, PZ-2, and PZ-3) were originally installed at the site to delineate the horizontal and vertical extent of dissolved hydrocarbon impacts. Data collected in 1991 indicated that the shallow plume extended from the original UST pit

eastward onto the adjacent property. Data from the deep monitoring wells indicated that the plume extended downward to at least 44 feet below land surface (ft bls) but did not reach 70 ft bls. Contamination assessment activities were approved by FDEP in August 1992.

A *Remedial Action Plan* (RAP) was prepared for the site in June 1994 by G&E Engineering. The RAP was approved in March 1995 but was not implemented due to the discontinuation of the State of Florida Reimbursement Program. Each of the monitoring wells installed as part of the Reimbursement Program was subsequently abandoned.

Earth Systems became the designated contractor for the site in November 2004 under the State of Florida Preapproval Program. Earth Systems supervised the installation of 17 shallow monitoring wells (MW-1R through MW-17), 15 intermediate-depth monitoring wells (IW-1 through IW-15), and five deep monitoring wells (DW-1 through DW-5) between 2005 and 2010. The monitoring well locations are shown on **Figure 1**.

The monitoring wells were sampled during field events conducted in April 2005, May 2006, January 2007, December 2008, April 2009, February 2010, and December 2010. The assessment activities were summarized in a *Template Site Assessment Report (TSAR)* submitted in July 2005, a *Supplemental SAR* submitted in March 2007, and various *Deliverable Documents*. The analytical data gathered between 2005 and 2010 indicated that soil and shallow groundwater impacts were present on the Tropical Chevron property but did not extend offsite. Intermediate-zone groundwater impacts were present on the Tropical Chevron site and extended eastward onto the two adjacent properties.

Earth Systems submitted a RAP for the site to the FDEP in March 2012. The RAP was approved in June 2012. In accordance with the Task Assignment, Earth Systems implemented the RAP construction activities between February 2013 and April 2013. System startup was performed between April 29, 2013, and May 23, 2013. The remediation system incorporated air sparging (AS) to remove hydrocarbons from the groundwater and soil vapor extraction (SVE) to remove hydrocarbons from the soil. Two AS systems were installed at the site – shallow and deep. The AS/SVE system operated from April 2013 until February 2016, when Earth Systems and FDEP agreed that the system should be shut off while alternative technologies for addressing the remaining impacts were investigated.

A source removal excavation event was completed at the site in November 2017. The source removal was conducted in the original UST pit to remove impacted soil that was not being addressed by the AS/SVE system. Prior to conducting the source removal, monitoring wells MW-1R, DW-1, and sparge well AS-3, which were installed in the source removal area, were properly abandoned by a licensed driller. Following source removal activities, monitoring well MW-1RR was installed in the same general location as well MW-1R.

Post-source removal PARM sampling events were conducted quarterly starting in May 2018 (May 2018, August 2018, November 2018, and February 2019). Groundwater samples were collected from wells MW-1RR, MW-2R, MW-4R, and OW-1 during each event. Analytical results from the four quarterly sampling events indicated no tested compounds were detected above their respective GCTLs in any of the sampled wells, indicating that the November 2017 excavation event was successful in reducing shallow zone groundwater concentrations to below target levels. Therefore, no further action is needed on the onsite shallow-zone plume.

On May 3, 2021, Earth Systems personnel mobilized to the site to oversee Gulf Coast Environmental, LLC (GCE) demolish the system compound, remove the concrete pad, install a well vault, and level the area.

MONITORING WELL INSTALLATION

From June 1 to June 2, 2023, Earth Systems supervised Preferred Drilling Solutions (PDS) during the installation of three monitoring wells (IW-27, IW-28, and IW-29) positioned to delineate the dissolved hydrocarbon groundwater plume. Prior to installing the wells, each location was cleared to 5 ft bls using hand tools to check for utilities. Soil samples were collected every foot to 5 ft bls in each well for field soil screening purposes using the jar head-space method. No elevated OVA readings were encountered at the well locations. **Table 1** summarizes current and historical OVA/PID results.

Once the initial 5 ft of each borehole was cleared, the monitoring wells were installed via Hollow Stem Auger. The monitoring wells were constructed of 2-inch diameter polyvinyl chloride (PVC), installed to a depth of 30 ft bls, and constructed with 10 ft of 0.01-inch slotted PVC well screen. After installation, each well was developed until the purge water was clear. Copies of field notes, monitoring well construction logs, and well completion reports are provided in **Appendix A**.

GROUNDWATER FLOW DIRECTION

On June 8, 2023, Earth Systems personnel mobilized to the site to gauge depth to groundwater in monitoring wells MW-1RR, MW-3R, MW-4R, MW-5R, MW-6R, MW-9R, IW-1, IW-2, IW-7, IW-11, IW-16, IW-17, IW-18, IW-19, IW-20, IW-21, IW-22, IW-23, IW-24, IW-25, IW-26, IW-27, IW-28, and IW-29. Depth to water measurements were not taken from wells MW-8R, MW-10R, and DW-3. Well MW-8R has been abandoned, well MW-10R has been destroyed, and well DW-3 could not be located. Free phase petroleum product was not detected in any of the wells gauged.

The depth to water in the shallow zone ranged from 2.34 feet below top of casing (btoc) in well MW-9R to 6.03 feet btoc in well MW-6R. The depth to water in the intermediate wells ranged from 3.75 feet btoc in well IW-28 to 7.23 feet btoc in well IW-20.

Groundwater flow direction within the shallow zone and intermediate zone was generally towards the southeast, which is consistent with previous interpretations. **Table 2** summarizes current and historical groundwater elevation data. Groundwater elevation contour maps illustrating groundwater flow direction in the shallow and deep zones are provided as **Figure 2A** and **Figure 2B**.

GROUNDWATER ASSESSMENT RESULTS

After gauging depth to water, groundwater samples were collected from monitoring wells MW-1RR, MW-3R, MW-4R, MW-5R, MW-6R, MW-9R, IW-1, IW-2, IW-7, IW-11, IW-16, IW-17, IW-18, IW-19, IW-20, IW-21, IW-22, IW-23, IW-24, IW-25, IW-26, IW-27, IW-28, and IW-29. Purging and sampling were performed in accordance with the current FDEP Groundwater Sampling Standard Operating Procedure 001/01. The collected samples were stored on wet ice and transported to Pace Analytical Services (PACE) under chain of custody seal to be analyzed for one or more of the following: Benzene, Toluene, Total Xylenes, and Methyl-Tert-Butyl Ether (BTEX/MTBE) by EPA Method 8260, Polycyclic Aromatic Hydrocarbons (PAHs) by EPA Method 8270, and Total Recoverable Petroleum Hydrocarbons (TRPH) by the FL-PRO method.

Laboratory analytical results indicated tested compounds were detected above Groundwater Cleanup Target Levels (GCTLs) in the samples collected from monitoring wells MW-1RR, IW-7, IW-20, IW-21, IW-22, IW-23, and IW-27. Groundwater analytical results are summarized in **Table 3A** and **Table 3B** and are presented on **Figure 3A** through **Figure 3C**. Groundwater sampling logs, field notes, and calibration logs are provided in **Appendix A**. A copy of the laboratory analytical report with chain-of-custody is provided in **Appendix B**.

CONCLUSION AND RECOMMENDATIONS

In June 2023, Earth Systems installed three monitoring wells and collected groundwater samples from 24 monitoring wells. Based on the results of these activities and previous investigations, Earth Systems offers the following conclusions:

- OVA/PID responses were 0 parts per million.
- Groundwater flow direction was towards the southeast in the shallow and intermediate zone during the June 2023 sampling event.
- Groundwater analytical results indicated no tested compounds were detected above their respective Natural Attenuation Default Concentrations (NADCs). Tested compounds were detected above GCTLs in the samples collected from monitoring wells MW-1RR, IW-7, IW-20, IW-21, IW-22, IW-23, and IW-27 during the June 8, 2023, sampling event.

- The shallow groundwater plume is located on site and is defined to the north by well MW-2R, to the east by wells MW-3R and MW-5R, to the south by well MW-6R, and to the west by MW-4R.

- The intermediate groundwater plume is primarily located on the adjacent property to the east and is defined to the north by wells IW-24, IW-19, and IW-26, to the east by well IW-28, and to the west by wells IW-1 and IW-11. Results from well IW-27 (located on the southern edge of the plume) indicated Total Xylenes were detected above its GCTL, but concentrations were relatively low and do not warrant an additional delineation well to the south.

- Select PAHs were also detected above GCTLs in well IW-7 only.

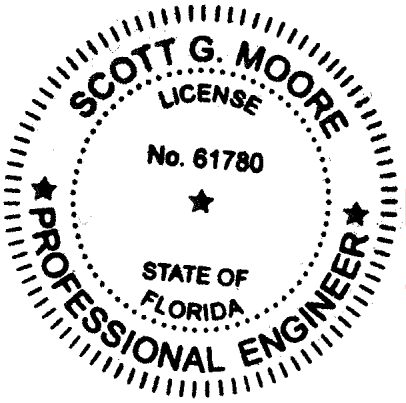
Earth Systems recommends transitioning the site into a NAM program to monitor groundwater concentrations. The NAM program should include shallow monitoring wells MW-1RR and MW-5R, and intermediate wells IW-7, IW-17, IW-20, IW-21, IW-22, IW-23, IW-26, IW-27, and IW-28. Samples should be analyzed for BTEX/MTBE and PAHs. This report will be the final deliverable for Purchase Order # C153EF. A new Purchase Order should be issued to continue work at the site. If you have any questions concerning the information presented in this report, please contact the undersigned at (904) 247-0740.

Sincerely,

Luke Russell
Senior Project Manager

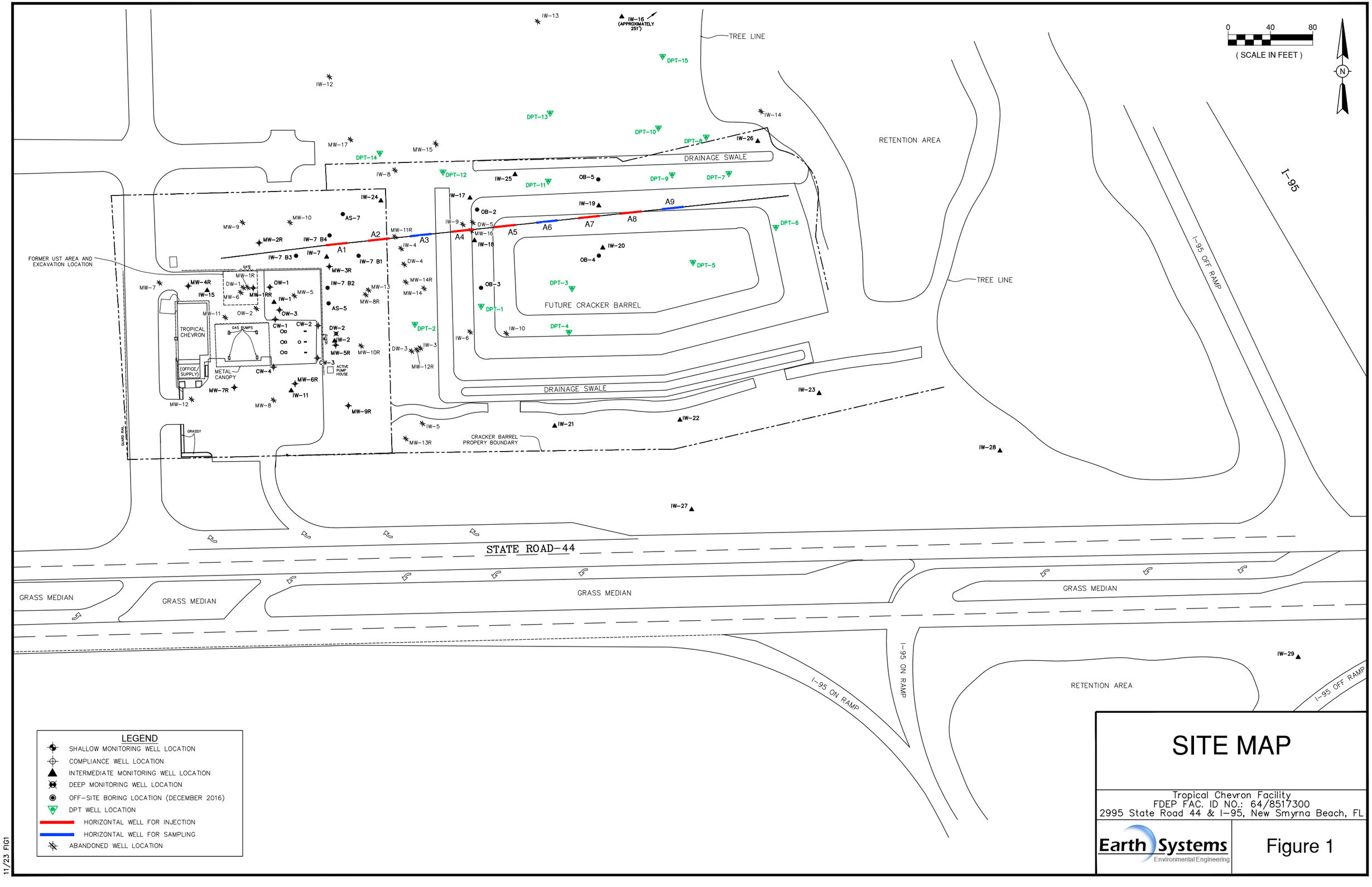
PROFESSIONAL CERTIFICATION

I, Scott G. Moore, P.E. No. 61780, certify that I currently hold an active license in the State of Florida and am competent through education or experience to provide the engineering service contained in this report. I further certify that in my professional judgment, this report meets the requirements of Section 62-780.600 for Site Assessment and was prepared by me or under my responsible charge. Moreover, I certify that Earth Systems holds an active registry for Certificate of Authorization #8369 to provide engineering services.



Digitally signed by Scott G. Moore
DN: cn=Scott G. Moore, o, ou=Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies., email=smoore@earthsys.net, c=US
Date: 2023.11.07 15:15:01 -05'00'

Scott G. Moore, P.E. #61780



LEGEND

- SHALLOW MONITORING WELL LOCATION
- COMPLIANCE WELL LOCATION
- INTERMEDIATE MONITORING WELL LOCATION
- DEEP MONITORING WELL LOCATION
- OFF-SITE BORING LOCATION (DECEMBER 2016)
- DPT WELL LOCATION
- HORIZONTAL WELL FOR INJECTION
- HORIZONTAL WELL FOR SAMPLING
- ABANDONED WELL LOCATION

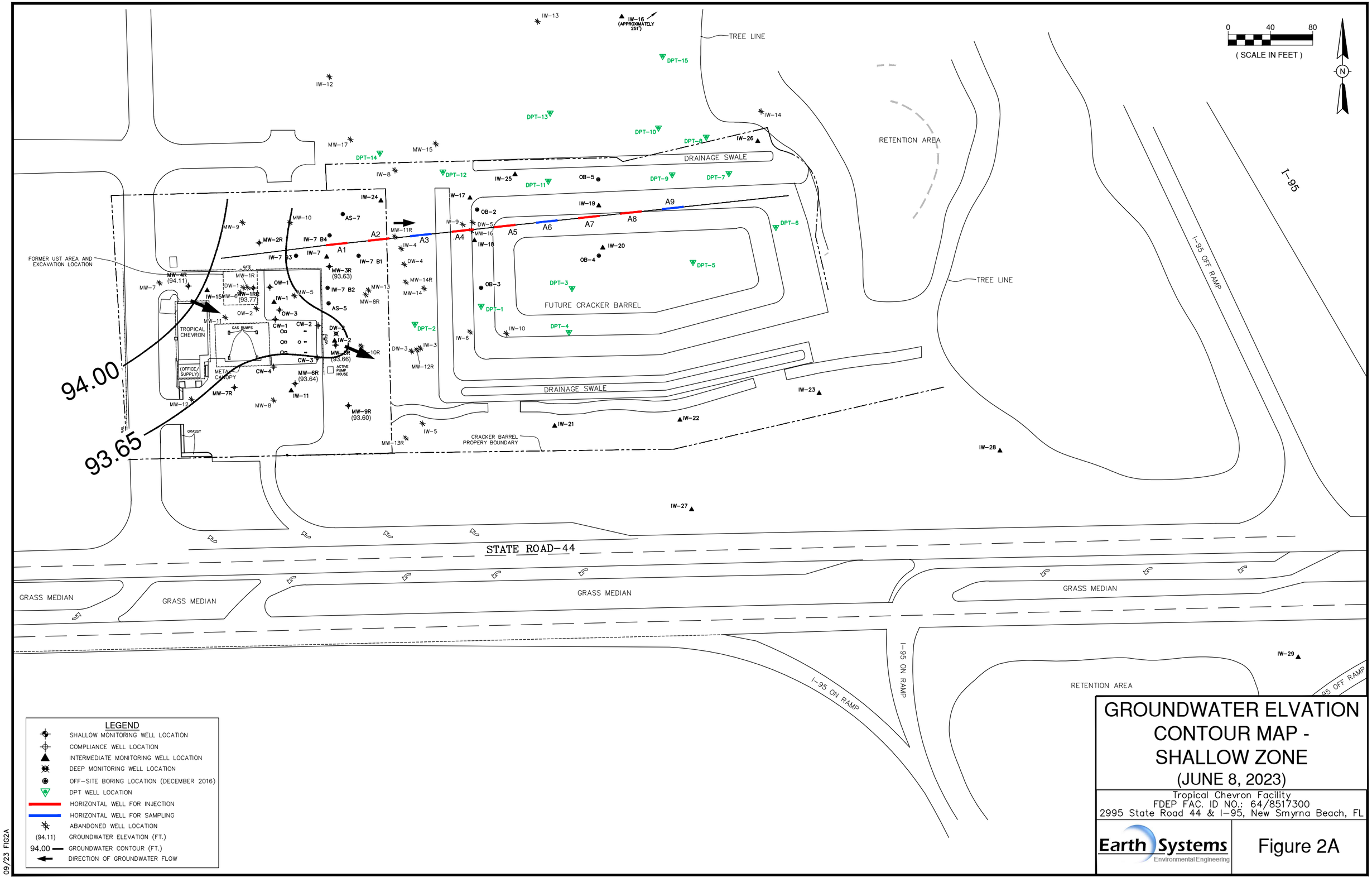
SITE MAP

Tropical Chevron Facility
FDEP FAC. ID NO.: 64/8517300
2995 State Road 44 & I-95, New Smyrna Beach, FL

Earth Systems Environmental Engineering

Figure 1

11/23 FIG1



GROUNDWATER ELVATION CONTOUR MAP - SHALLOW ZONE
(JUNE 8, 2023)

Tropical Chevron Facility
FDEP FAC. ID NO.: 64/8517300
2995 State Road 44 & I-95, New Smyrna Beach, FL

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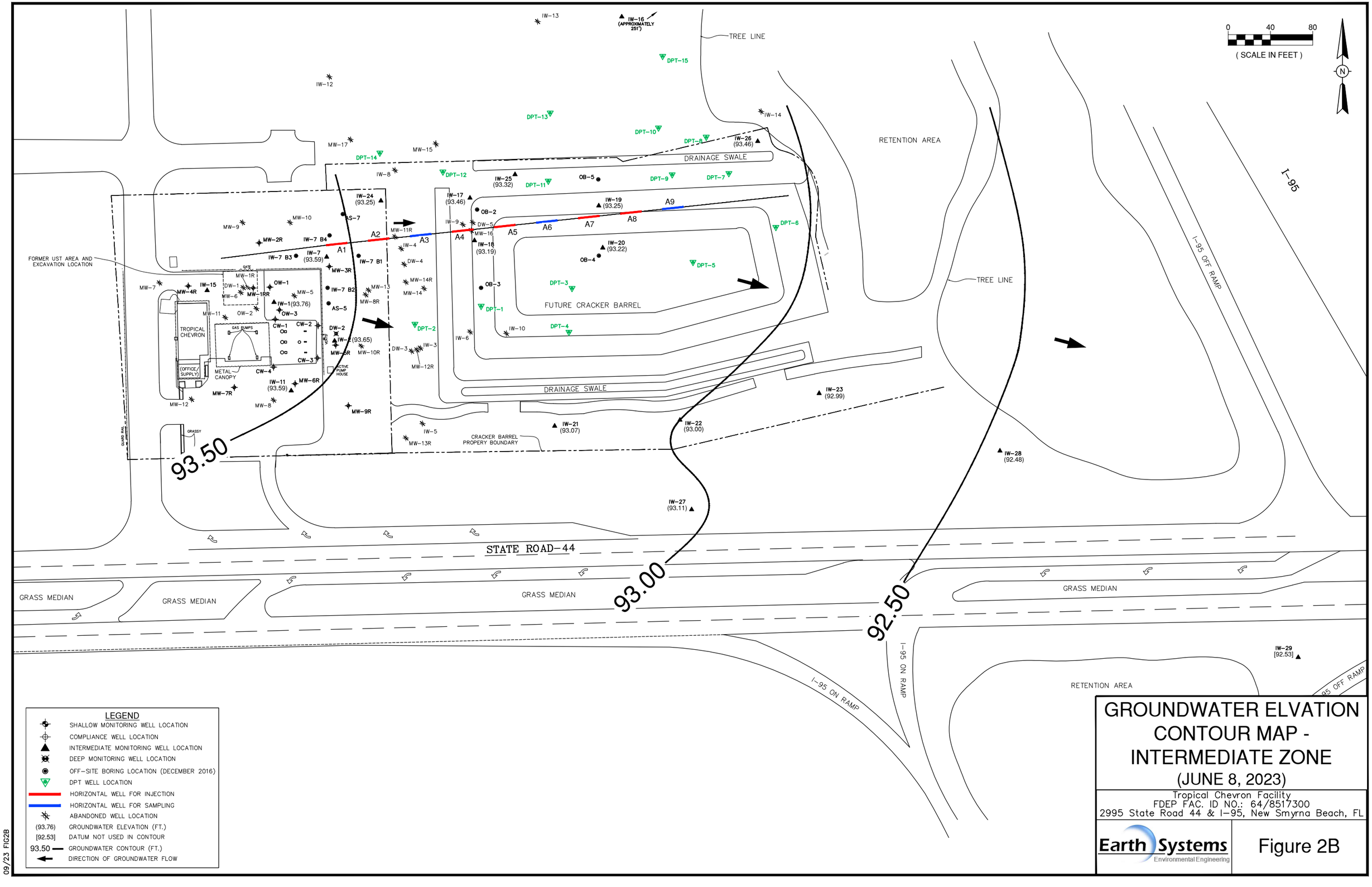
Figure 2A

09/23 FIG2A



GROUNDWATER ELVATION CONTOUR MAP - INTERMEDIATE ZONE

(JUNE 8, 2023)

Tropical Chevron Facility
FDEP FAC. ID NO.: 64/8517300
2995 State Road 44 & I-95, New Smyrna Beach, FL

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Figure 2B

09/23 FIG2B

MW-3R 6/8/2023	
B	0.30 U
T	0.33 U
E	0.30 U
X	2.1 U
M	1.2 U
N	NS
1-M	NS
2-M	NS
TR	NS

>GCTLs

FORMER UST AREA AND EXCAVATION LOCATION

MW-4R 6/8/2023	
B	0.30 U
T	0.33 U
E	0.30 U
X	2.1 U
M	1.2 U
N	NS
1-M	NS
2-M	NS
TR	NS

MW-1RR 6/8/2023	
B	0.30 U
T	0.33 U
E	1.0
X	2.1 U
M	1.2 U
N	4.9
1-M	24.2
2-M	***41.4***
TR	1300

MW-6R 6/8/2023	
B	0.30 U
T	0.33 U
E	0.30 U
X	2.1 U
M	1.2 U
N	NS
1-M	NS
2-M	NS
TR	NS

MW-5R 6/8/2023	
B	0.30 U
T	0.33 U
E	0.30 U
X	2.1 U
M	1.2 U
N	NS
1-M	NS
2-M	NS
TR	NS

MW-9R 6/8/2023	
B	0.30 U
T	0.33 U
E	0.30 U
X	2.1 U
M	1.3 I
N	NS
1-M	NS
2-M	NS
TR	NS

LEGEND

- SHALLOW MONITORING WELL LOCATION
- COMPLIANCE WELL LOCATION
- INTERMEDIATE MONITORING WELL LOCATION
- DEEP MONITORING WELL LOCATION
- OFF-SITE BORING LOCATION (DECEMBER 2016)
- DPT WELL LOCATION
- HORIZONTAL WELL FOR INJECTION
- HORIZONTAL WELL FOR SAMPLING
- ABANDONED WELL LOCATION
- B BENZENE (ug/L)
- T TOLUENE (ug/L)
- E ETHYLBENZENE (ug/L)
- X XYLENES (ug/L)
- M MTBE (ug/L)
- N NAPHTHALENE (ug/L)
- 2-M 2-METHYLNAPHTHALENE (ug/L)
- 1-M 1-METHYLNAPHTHALENE (ug/L)
- TR TRPH (ug/L)
- NS NOT SAMPLED
- I MDL < RESULTS < REPORTING LIMIT
- U RESULT BELOW DETECTION LIMIT
- ***BLUE*** CONCENTRATIONS IN BOLD EXCEED GCTLs
- GCTLs GROUNDWATER CLEANUP TARGET LEVELS

0 40 80
(SCALE IN FEET)

N

TREE LINE
RETENTION AREA
DRAINAGE SWALE
FUTURE CRACKER BARREL
TROPICAL CHEVRON
GAS PUMPS
(OFFICE/ SUPPLY)
METAL CANOPY
ACTIVE PUMP HOUSE
GUARD RAIL
GRASSY
CRACKER BARREL PROPERTY BOUNDARY
I-95
I-95 OFF RAMP
I-95 ON RAMP
STATE ROAD-44
GRASS MEDIAN
GRASS MEDIAN
GRASS MEDIAN
RETENTION AREA
TREE LINE
I-95 OFF RAMP
I-95 ON RAMP

GROUNDWATER ANALYTICAL RESULTS - SHALLOW ZONE
(JUNE 8, 2023)

Tropical Chevron Facility
FDEP FAC. ID NO.: 64/8517300
2995 State Road 44 & I-95, New Smyrna Beach, FL

Earth Systems Environmental Engineering

Figure 3A

09/23 FIG3A

IW-7 6/8/2023	
B	0.30 U
T	0.35 I
E	0.30 U
X	2.1 U
M	1.2 U
N	0.52 I
1-M	0.20 I
2-M	0.16 I
TR	NS

IW-24 6/8/2023	
B	0.30 U
T	0.33 U
E	0.30 U
X	2.1 U
M	1.2 U
N	2.0
1-M	0.95 I
2-M	1.6 I
TR	NS

IW-17 6/8/2023	
B	0.30 U
T	0.33 U
E	0.30 U
X	2.1 U
M	1.2 U
N	6.8
1-M	0.60 I
2-M	0.90 I
TR	NS

IW-25 6/8/2023	
B	0.30 U
T	0.33 U
E	0.30 U
X	2.1 U
M	1.2 U
N	3.2
1-M	0.075 I
2-M	0.090 I
TR	NS

IW-19 6/8/2023	
B	0.30 U
T	0.33 U
E	0.30 U
X	2.1 U
M	1.2 U
N	NS
1-M	NS
2-M	NS
TR	NS

IW-16 6/8/2023	
B	0.30 U
T	0.33 U
E	0.30 U
X	2.1 U
M	1.2 U
N	0.27 U
1-M	0.036 U
2-M	0.064 U
TR	NS

IW-26 6/8/2023	
B	0.30 U
T	0.33 U
E	0.30 U
X	2.1 U
M	1.2 U
N	0.27 U
1-M	0.036 U
2-M	0.064 U
TR	NS

IW-20 6/8/2023	
B	0.46 I
T	0.33 U
E	0.30 U
X	2.1 U
M	1.2 U
N	***17.0***
1-M	1.5 I
2-M	2.3
TR	NS

IW-1 6/8/2023	
B	0.30 U
T	0.35 I
E	7.5
X	2.1 U
M	1.2 U
N	2.9
1-M	7.9
2-M	16.9
TR	NS

IW-28 6/8/2023	
B	0.35 I
T	0.33 U
E	0.30 U
X	2.1 U
M	1.2 U
N	0.26 U
1-M	0.035 U
2-M	0.061 U
TR	730 U

IW-29 6/8/2023	
B	0.30 U
T	0.33 U
E	0.30 U
X	2.1 U
M	1.2 U
N	0.26 U
1-M	0.042 I
2-M	0.069 I
TR	730 U

IW-11 6/8/2023	
B	0.30 U
T	0.33 U
E	0.30 U
X	2.1 U
M	1.2 U
N	0.82 I
1-M	8.6
2-M	0.78 I
TR	NS

IW-2 6/8/2023	
B	0.30 U
T	0.33 U
E	0.30 U
X	2.1 U
M	1.2 U
N	2.1
1-M	0.31 I
2-M	0.093 I
TR	730 U

IW-18 6/8/2023	
B	0.30 U
T	0.33 U
E	0.30 U
X	2.1 U
M	1.2 U
N	9.1
1-M	1.7 I
2-M	2.8
TR	NS

IW-21 6/8/2023	
B	***2.3***
T	0.33 U
E	1.6
X	7.3
M	1.2 U
N	***104***
1-M	13.4
2-M	4.0
TR	NS

IW-22 6/8/2023	
B	***14.4***
T	1.3
E	6.0
X	***83.7***
M	3.0 I
N	***76.7***
1-M	4.3
2-M	3.0
TR	NS

IW-27 6/8/2023	
B	0.97 I
T	1.4
E	7.5
X	***42.5***
M	4.4 I
N	0.26 U
1-M	0.035 U
2-M	0.084 I
TR	730 U

IW-23 6/8/2023	
B	***2.3***
T	0.50 I
E	2.7
X	***61.7***
M	1.2 U
N	***41.0***
1-M	3.2
2-M	3.3
TR	NS

LEGEND

- SHALLOW MONITORING WELL LOCATION
- COMPLIANCE WELL LOCATION
- INTERMEDIATE MONITORING WELL LOCATION
- DEEP MONITORING WELL LOCATION
- OFF-SITE BORING LOCATION (DECEMBER 2016)
- DPT WELL LOCATION
- HORIZONTAL WELL FOR INJECTION
- HORIZONTAL WELL FOR SAMPLING
- ABANDONED WELL LOCATION

B BENZENE (ug/L)
T TOLUENE (ug/L)
E ETHYLBENZENE (ug/L)
X XYLENES (ug/L)
M MTBE (ug/L)
N NAPHTHALENE (ug/L)
2-M 2-METHYLNAPHTHALENE (ug/L)
1-M 1-METHYLNAPHTHALENE (ug/L)
TR TRPH (ug/L)
NS NOT SAMPLED
I MDL < RESULTS < REPORTING LIMIT
U RESULT BELOW DETECTION LIMIT
BLUE CONCENTRATIONS IN BOLD EXCEED GCTLs
GCTLs GROUNDWATER CLEANUP TARGET LEVELS

>GCTLs

GROUNDWATER ANALYTICAL RESULTS - INTERMEDIATE ZONE
(JUNE 8, 2023)

Tropical Chevron Facility
FDEP FAC. ID NO.: 64/8517300
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Figure 3B

09/23 FIG3B

IW-7 6/8/2023	
B(a)P	0.67
B(a)A	0.51
B(b)F	1.1
D(a,h)A	0.13 I
IN	0.48

IW-24 6/8/2023	
B(a)P	0.020 U
B(a)A	0.019 U
B(b)F	0.026 U
D(a,h)A	0.024 U
IN	0.023 U

IW-17 6/8/2023	
B(a)P	0.020 U
B(a)A	0.019 U
B(b)F	0.026 U
D(a,h)A	0.024 U
IN	0.023 U

IW-25 6/8/2023	
B(a)P	0.020 U
B(a)A	0.019 U
B(b)F	0.026 U
D(a,h)A	0.024 U
IN	0.023 U

IW-16 6/8/2023	
B(a)P	0.020 U
B(a)A	0.019 U
B(b)F	0.025 U
D(a,h)A	0.023 U
IN	0.023 U

IW-26 6/8/2023	
B(a)P	0.020 U
B(a)A	0.019 U
B(b)F	0.025 U
D(a,h)A	0.023 U
IN	0.023 U

IW-20 6/8/2023	
B(a)P	0.019 U
B(a)A	0.018 U
B(b)F	0.025 U
D(a,h)A	0.023 U
IN	0.022 U

IW-1 6/8/2023	
B(a)P	0.020 U
B(a)A	0.019 U
B(b)F	0.025 U
D(a,h)A	0.023 U
IN	0.022 U

IW-23 6/8/2023	
B(a)P	0.020 U
B(a)A	0.019 U
B(b)F	0.025 U
D(a,h)A	0.023 U
IN	0.022 U

IW-28 6/8/2023	
B(a)P	0.019 U
B(a)A	0.018 U
B(b)F	0.024 U
D(a,h)A	0.022 U
IN	0.022 U

IW-29 6/8/2023	
B(a)P	0.019 U
B(a)A	0.018 U
B(b)F	0.024 U
D(a,h)A	0.023 U
IN	0.021 U

IW-11 6/8/2023	
B(a)P	0.019 U
B(a)A	0.018 U
B(b)F	0.024 U
D(a,h)A	0.023 U
IN	0.022 U

IW-2 6/8/2023	
B(a)P	0.019 U
B(a)A	0.018 U
B(b)F	0.025 U
D(a,h)A	0.023 U
IN	0.022 U

IW-18 6/8/2023	
B(a)P	0.019 U
B(a)A	0.018 U
B(b)F	0.024 U
D(a,h)A	0.023 U
IN	0.022 U

IW-21 6/8/2023	
B(a)P	0.019 U
B(a)A	0.018 U
B(b)F	0.025 U
D(a,h)A	0.023 U
IN	0.022 U

IW-22 6/8/2023	
B(a)P	0.019 U
B(a)A	0.018 U
B(b)F	0.025 U
D(a,h)A	0.023 U
IN	0.022 U

IW-27 6/8/2023	
B(a)P	0.019 U
B(a)A	0.018 U
B(b)F	0.024 U
D(a,h)A	0.023 U
IN	0.022 U

>GCTLs

LEGEND

- SHALLOW MONITORING WELL LOCATION
- COMPLIANCE WELL LOCATION
- INTERMEDIATE MONITORING WELL LOCATION
- DEEP MONITORING WELL LOCATION
- OFF-SITE BORING LOCATION (DECEMBER 2016)
- DPT WELL LOCATION
- HORIZONTAL WELL FOR INJECTION
- HORIZONTAL WELL FOR SAMPLING
- ABANDONED WELL LOCATION

B(a)P BENZO(a)PYRENE (ug/L)
B(a)A BENZO(a)ANTHRACENE (ug/L)
B(b)F BENZO(b)FLUORANTHENE (ug/L)
D(a,h)A DIBENZ(a,h)ANTHRACENE (ug/L)
IN INDENO(1,2,3-cd)PYRENE (ug/L)
I MDL < RESULTS < REPORTING LIMIT
U RESULT BELOW DETECTION LIMIT
BLUE CONCENTRATIONS IN BOLD EXCEED GCTLs
GCTLs GROUNDWATER CLEANUP TARGET LEVELS

GROUNDWATER ANALYTICAL RESULTS - OTHER - INTERMEDIATE ZONE
(JUNE 8, 2023)

Tropical Chevron Facility
FDEP FAC. ID NO.: 64/8517300
2995 State Road 44 & I-95, New Smyrna Beach, FL

Earth Systems Environmental Engineering

Figure 3C

09/23 FIG3C

TABLE 1: SOIL SCREENING RESULTS

Facility Name: Tropical Chevron **Facility ID#: 648517300**

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (FBLS)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
MW-5	5/29/1991	5	2	2	0	2	
			4	0	0	0	
			4-6	20	2	18	
			6-8	70	10	60	
			8-10	>1000	500	>500	
			10-12	600	160	440	
			12-14	500	220	280	
			14-16	760	240	510	
			16-18	120	64	56	
			18-20	60	36	24	
MW-6	5/30/1991	5	2	>1000	420	>560	
			4-6	>1000	180	>820	
			9-11	>1000	320	>680	
			14-16	>1000	>1000	Unk	
			19-21	>1000	160	>840	
MW-7	5/29/1991	5	2	0	0	0	
			4-6	0	0	0	
			9-11	240	140	100	
			14-16	560	380	180	
			19-21	520	200	320	
MW-8	5/29/1991	5	2	0	0	0	
			4-6	0	0	0	
			9-11	110	46	64	
			14-16	780	300	480	
			19-21	190	90	100	
MW-9	5/30/1991	5	2	0	0	0	
			4-6	180	86	94	
			9-11	240	160	80	
			14-16	36	24	12	
			18-20	90	56	34	
MW-10	8/27/1991	5	2-4	160	110	50	
MW-11	8/27/1991	5	4	360	40	320	
MW-12	12/2/1991	5	4	0	0	0	
			12	58	58	0	
			17	12	12	0	
			22	22	22	0	
MW-13	12/2/1991	5	4	33	33	0	
			10	120	120	0	
			15	95	95	0	
			20	45	45	0	
PZ-1	8/27/1991	5	4-6	>1000	280	>720	
			9-11	800	2.6	797	
			14-16	>1000	720	280	
			19-21	>1000	500	>500	
			24-26	>1000	860	>140	
			29-31	>1000	500	>500	
			34-36	>1000	640	>360	

TABLE 1: SOIL SCREENING RESULTS

Facility Name: Tropical Chevron **Facility ID#: 648517300**

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (FBLS)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
2005 TSAR Using PID							
SB-1	3/3/2005	5.5	1			3500	PID
			2			2640	Source Area
			3			3425	
			4			3416	
			5			3650	High Sample Collected
			6			3704	Wet
			10			1814	
			12-14			244	
			16-18			280	
			20			145	
			26				GW Sample
SB-2	3/3/2005	5.5	2			132	
			4			454	
			6			1952	
			7			1325	
SB-3	3/3/2005	5.5	2			373	
			4			2135	
			6			2606	
			7			2650	
SB-4	3/3/2005	5.5	2			0	No Odor
			4			0	
			6			0	
			7			0	GW Sample
SB-5	3/3/2005	5.5	2			296	Med Sample Collected
			4			464	
			6			1888	
			7			1922	
SB-6	3/3/2005	5.5	2			527	
			4			2612	
			6			2666	
			7			2544	
SB-7	3/3/2005	5.5	2			10	No Odor
			4			33	Low Sample Collected
			6			7	
			7			10	GW Sample
SB-8	3/3/2005	5.5	2			15	No Odor
			4			18	
			6			0	
			7			0	GW Sample
SB-9	3/3/2005	5.5	2			0	No Odor
			4			0	
			6			0	
			7			0	

TABLE 1: SOIL SCREENING RESULTS

Facility Name: Tropical Chevron **Facility ID#: 648517300**

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (FBLS)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
SB-10	3/3/2005	5.5	2			0	No Odor
			4			0	
			6			0	
			7			0	
SB-11	3/3/2005	5.5	2			10	No Odor
			4			7	
			6			6	
			7			15	
SB-12	3/3/2005	5.5	2			0	No Odor
			4			0	
			6			0	
			7			0	
SB-13	3/3/2005	5.5	2			5	No Odor
			4			6	
			6			1	
			7			0	
DW-1	4/4/2005	5.5	20			97	
			24			73	
			28			93	
			32			80	
			36			11	
			40			2	Six-inch Outer Casing Set
			44			0	
			48			0	
			50			0	
DW-2	5/11/2006	5.5	2			5	
			4			7	
			6			62	
			8			157	
			10			658	
			12			645	
			14			356	
			16			466	
			18			440	
			20			640	
			22			100	
			24			127	
			26			940	
			28			805	
			30			780	
			32			447	
			34			162	
			36			130	
			38			NR	
			41			70	
			43			179	
			45			NR	
			47			166	
			48			167	Refusal @ 49.5 ft

TABLE 1: SOIL SCREENING RESULTS

Facility Name: Tropical Chevron **Facility ID#: 648517300**

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (FBLS)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
DW-3	3/5/2007	5.5	25			0	No Odors
			27			0	
			29			0	
			31			0	
			33			0	
			35			0	
			37			0	
			39			0	
			41			NR	
			43			NR	
			45			0	
			47			0	
			49			0	
IW-6	3/5/2007	5.5	2			0	
			4			0	
			6			0	
			8			0	
			10			0	
			12			0	
			14			75	
			16			75	
			18			200	Lt Odors
			20			30	
			22			35	
			24			175	
IW-7	12/11/2008	6.0	2			0	No Odors
			4			0	
			6			0	
			8			137	
			10			48	
			12			43	
			14			86	Lt Odors
			16			28	
			18			51	
			20			39	
			22			41	
			24			59	
			25			48	
IW-9	12/11/2008	4.0	2			40	No Odors
			4			51	
			6			92	
			8			180	
			10			36	
			12			38	
			15			481	Lt Odors
			17			602	
			19			597	
			21			793	
			23			410	
			25			278	

TABLE 1: SOIL SCREENING RESULTS

Facility Name: Tropical Chevron **Facility ID#: 648517300**

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (FBLS)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
MW-15	2/3/2010	2.0	1			0	No Odors
			2			0	
			3			0	
			4			0	
			5			0	
			6			0	
			8			0	
			10			0	
			12			0	
MW-16	2/2/2010	2.5	1			0	No Odors
			2			0	
			3			0	
			4			0	
			5			0	
			6			0	
			8			0	
			10			0	
			12			0	
MW-17	2/2/2010	2.5	1			0	No Odors
			2			0	
			3			0	
			4			0	
			5			0	
			6			0	
			8			0	
			10			0	
			12			0	
IW-12	2/2/2010	2.5	1			0	No Odors
			2			0	
			3			0	
			4			0	
			5			0	
			6			0	
			8			0	
			10			0	
			12			0	
			14			0	
IW-13	2/2/2010	2.5	1			0	No Odors
			2			0	
			3			0	
			4			0	
			5			0	
			6			0	
			8			0	
			10			0	
			12			0	
			14			0	
			16			0	
			18			0	
			20			0	
			22			0	
			24			0	

TABLE 1: SOIL SCREENING RESULTS

Facility Name: Tropical Chevron **Facility ID#: 648517300**

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (FBLS)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
IW-14	2/4/2010	2.5	1			0	No Odors
			2			0	
			3			0	
			4			0	
			5			0	
			6			0	
			8			0	
			10			0	
			12			0	
			14			0	
			16			0	
			18			0	
			20			0	
			22			0	
			24			0	
IW-15	2/4/2010	4.5	1			0	No Odors
			2			0	
			3			0	
			4			10	
			5			10	
			6			0	
			8			0	
			10			0	
			12			0	
			14			0	
DW-4	2/3/2010	2.5	1			0	No Odors
			2			0	
			4			0	
			6			0	
			8			0	
			12			0	
			14			0	
			16			2	
			18			2	
			20			0	
			22			0	
			24			0	
			26			9	
			28			24	
			30			36	
			32			120	Lt Odor
			34			34	
			36			26	
			38			17	
			40			6	
			42			0	
			48			0	
			50			0	

TABLE 1: SOIL SCREENING RESULTS

Facility Name: Tropical Chevron **Facility ID#: 648517300**

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (FBLS)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
DW-5	2/4/2010	2.5	1			0	No Odors
			2			0	
			3			0	
			4			0	
			5			0	
			6			0	
			8			0	
			10			0	
			12			0	
			14			0	
			16			0	
			18			0	
			20			2	
			22			2	
			24			2	
			26			9	
			28			63	Lt Odor
			30			10	
			32			14	
			34			8	
			36			0	
			38			0	
			40			0	
			42			0	
			44			0	
			46			0	
			48			0	
			50			0	
SB-14	2/4/2010	5.0	1			0	No Odors
			2			0	
			3			0	
			4			0	Lab Sample Collected
			5			0	
			6			0	
MW-1R B-1	12/15/2016	5.0	1			0	
			2			36	Lab Sample Collected
			3			6	
			4			31	
			5			526	Smear Zone
			6			476	GW Grab Sample 5'-10'
MW-1R B-2	12/15/2016	5.0	1			0	
			2			0	
			3			171	
			4			426	Lab Sample Collected
			5			984	Smear Zone
			6			753	GW Grab Sample 5'-10'
MW-1R B-3	12/15/2016	5.0	1			0	
			2			0	
			3			0	
			4			158	Lab Sample Collected
			5			560	Smear Zone
			6			401	GW Grab Sample 5'-10'

TABLE 1: SOIL SCREENING RESULTS

Facility Name: Tropical Chevron **Facility ID#: 648517300**

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (FBLS)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
MW-1R B-4	12/15/2016	5.0	1			0	
			2			2	
			3			10	
			4			665	Lab Sample Collected
			5			418	Smear Zone
			6			653	GW Grab Sample 5'-10'
OB-2	12/15/2016	6.0	1			0	
			2			0	
			4			0	
			6			0	
			8			0	
			10			0	
			12			0	
			14			0	
			16			0	
			18			0	
			20			0	
			22			0	
			24			10	Lt Petroleum Odor
			25			27	GW Sample 24'-29'
			27			11	
			28			12	
			30			11	
			32			0	
			34			0	
			36			0	GW Sample 45'-50'
OB-3	12/16/2016	4.0	1			0	
			2			0	
			3			0	
			4			0	
			6			0	
			8			0	
			10			0	
			12			0	
			14			0	
			16			0	
			18			3	
			20			2	
			22			4	
			24			6	Lt Petroleum Odor
			25			12	GW Sample 23'-28'
			26			8	
			28			5	
			30			9	

TABLE 1: SOIL SCREENING RESULTS

Facility Name: Tropical Chevron **Facility ID#: 648517300**

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (FBLS)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
OB-4	12/15/2016	4.5	1			0	
			2			0	
			3			0	
			4			0	
			6			0	
			8			0	
			10			0	
			12			0	
			14			0	
			16			0	
			18			0	
			20			12	
			22			23	
			24			60	Lt Petroleum Odor
			26			65	GW Sample 24'-29'
			27			42	
			28			16	
			30			15	
OB-5	12/15/2016	4.5	1			0	
			2			0	
			3			0	
			4			0	
			6			0	
			8			0	
			10			0	
			12			0	
			14			0	
			16			0	
			18			0	
			20			0	
			22			2	
			24			2	Lt Petroleum Odor
			25			4	GW Sample 24'-29'
			26			10	
			28			12	
			30			1	
IW-7 B-1	12/16/2016	3.5	1			0	
			2			0	
			3			0	
			4			0	
			5			0	GW Sample 20'-25'
IW-7 B-2	12/16/2016	5.0	1			0	
			2			0	
			3			0	
			4			0	
			5			0	GW Sample 20'-25'
IW-7 B-3	12/16/2016	4.0	1			0	
			2			0	
			3			0	
			4			0	
			5			0	GW Sample 20'-25'

TABLE 1: SOIL SCREENING RESULTS

Facility Name: Tropical Chevron **Facility ID#: 648517300**

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (FBLS)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
IW-7 B-4	12/16/2016	4.0	1			0	
			2			0	
			3			0	
			4			0	
			5			0	GW Sample 20'-25'
IW-21	7/7/2020	4.0	1			0	
			2			0	
			3			0	
			4			0	
			5			0	
			7			0	
			9			0	
			11			0	
			13			0	
			15			0	
			17			0	
			20			0	
			25			0	
IW-22	7/7/2020	4.0	1			0	
			2			0	
			3			0	
			4			0	
			5			0	
			7			0	
			9			0	
			11			0	
			13			0	
			15			0	
			17			0	
			20			0	
			25			0	
IW-23	7/6/2020	4.0	1			0	
			2			0	
			3			0	
			4			0	
			5			0	
			7			0	
			9			0	
			11			0	
			13			0	
			15			0	
			17			0	
			20			0	
			25			0	
			27			0	

TABLE 1: SOIL SCREENING RESULTS

Facility Name: Tropical Chevron **Facility ID#: 648517300**

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (FBLS)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
IW-24	7/6/2020	4.0	1			0	
			2			0	
			3			0	
			4			0	
			5			0	
			7			0	
			9			0	
			11			0	
			13			0	
			15			0	
			17			0	
			20			0	
			25			0	
IW-25	7/6/2020	4.0	1			0	
			2			0	
			3			0	
			4			0	
			5			0	
			7			0	
			9			0	
			11			0	
			13			0	
			15			0	
			17			0	
			20			0	
			25			0	
IW-26	7/6/2020	4.0	1			0	
			2			0	
			3			0	
			4			0	
			5			0	
			7			0	
			9			0	
			11			0	
			13			0	
			15			0	
			17			0	
			20			0	
			25			0	
			28			0	

TABLE 1: SOIL SCREENING RESULTS

Facility Name: Tropical Chevron **Facility ID#: 648517300**

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (FBLS)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
IW-27	6/1/2023	5.0	1			0	
			2			0	
			3			0	
			4			0	
			5			0	
IW-28	6/1/2023	5.0	1			0	
			2			0	
			3			0	
			4			0	
			5			0	
IW-29	6/1/2023	5.0	1			0	
			2			0	
			3			0	
			4			0	
			5			0	

All borings installed after March 2005 were screened using a Photo Ionization Detector (PID)

NR = No Recovery

NA = Not Analyzed

FBLS = Feet Below Land Surface

PPM = Parts Per Million

Blank = No data

TABLE 2: GROUNDWATER ELEVATION TABLE

Facility Name: Tropical Chevron **Facility ID#:** 64/8517300

All Measurements = Feet
No Data = Blank

WELL NO.	MW-1R			MW-2R			MW-3R			MW-4R			MW-5R		
DIAMETER	2-inch			2-inch			2-inch			2-inch			2-inch		
WELL DEPTH (ft)	13.0			13.0			13.0			13.0			13.0		
SCREEN INTERVAL (ft)	3 to 13			3 to 13			3 to 13			3 to 13			3 to 13		
TOC ELEVATION (ft)	99.22	resurvey:	99.00	98.47	resurvey:	98.30	98.53	resurvey:	98.30	99.17	resurvey:	99.19	98.21	resurvey:	97.97
DATE	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**
4/7/2005	94.51	4.71		94.52	3.95		94.36	4.17		94.47	4.70		94.31	3.90	
1/18/2006	93.95	5.27	0.56	94.59	3.88	-0.07	94.21	4.32	0.15	94.28	4.89	0.19	93.92	4.29	0.39
5/17/2006	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	92.62	5.59	1.30
1/10/2007	93.86	5.14	-0.13	94.44	4.03	0.15	94.04	4.49	0.17	94.41	4.76	-0.13	NM	NM	NM
6/4/2007	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
12/19/2008	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
4/9/2009	94.55	4.45	-0.69	95.37	2.93	-1.10	94.77	3.53	-0.96	95.04	4.15	-0.61	94.63	3.34	-2.25
2/15-16/10	95.45	3.55	-0.90	95.54	2.76	-0.17	95.59	2.71	-0.82	95.76	3.43	-0.72	94.83	3.14	-0.20
2/14/2012	94.25	4.75	1.20	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
3/28/2013 (Baseline)	93.34	5.66	0.91	NM	NM	NM	93.46	4.84	2.13	NM	NM	NM	NM	NM	NM
5/9/2013	95.39	3.61	-2.05	94.68	3.62	0.86	94.97	3.33	-1.51	94.96	4.23	0.80	94.36	3.61	0.47
5/16/2013	96.71	2.29	-1.32	91.69	6.61	2.99	95.59	2.71	-0.62	95.29	3.9	-0.33	95.68	2.29	-1.32
5/23/2013	96.39	2.61	0.32	95.49	2.81	-3.80	96.10	2.20	-0.51	95.64	3.55	-0.35	95.36	2.61	0.32
6/14/2013	95.98	3.02	0.41	95.53	2.77	-0.04	95.35	2.95	0.75	96.26	2.93	-0.62	95.10	2.87	0.26
7/23/2013	94.69	4.31	1.29	95.63	2.67	-0.10	95.57	2.73	-0.22	95.60	3.59	0.66	94.79	3.18	0.31
8/27/2013	96.91	2.09	-2.22	95.75	2.55	-0.12	96.67	1.63	-1.10	96.07	3.12	-0.47	96.70	1.27	-1.91
9/9/2013	96.44	2.56	0.47	96.23	2.07	-0.48	94.70	3.60	1.97	95.97	3.22	0.10	96.09	1.88	0.61
10/31/2013	95.38	3.62	1.06	94.14	4.16	2.09	94.80	3.50	-0.10	95.03	4.16	0.94	94.86	3.11	1.23
11/14/2013	94.76	4.24	0.62	93.97	4.33	0.17	94.42	3.88	0.38	94.66	4.53	0.37	94.44	3.53	0.42
12/3/2013	95.37	3.63	-0.61	94.32	3.98	-0.35	94.93	3.37	-0.51	94.91	4.28	-0.25	94.82	3.15	-0.38
1/2/2014	94.91	4.09	0.46	94.39	3.91	-0.07	94.94	3.36	-0.01	94.82	4.37	0.09	94.60	3.37	0.22
2/6/2014	94.83	4.17	0.08	94.56	3.74	-0.17	94.94	3.36	0.00	95.00	4.19	-0.18	94.38	3.59	0.22
3/11/2014	94.78	4.22	0.05	93.54	4.76	1.02	94.93	3.37	0.01	95.18	4.01	-0.18	94.61	3.36	-0.23
4/7/2014	95.13	3.87	-0.35	95.24	3.06	-1.70	95.26	3.04	-0.33	95.55	3.64	-0.37	94.55	3.42	0.06
5/13/2014	95.08	3.92	0.05	94.76	3.54	0.48	95.25	3.05	0.01	95.51	3.68	0.04	94.43	3.54	0.12
6/18/2014	95.61	3.39	-0.53	94.52	3.78	0.24	95.43	2.87	-0.18	95.38	3.81	0.13	95.03	2.94	-0.60
7/17/2014	96.42	2.58	-0.81	96.33	1.97	-1.81	95.94	2.36	-0.51	96.36	2.83	-0.98	96.19	1.78	-1.16
8/27/2014	95.82	3.18	0.60	95.06	3.24	1.27	95.56	2.74	0.38	95.80	3.39	0.56	95.26	2.71	0.93
9/19/2014	96.06	2.94	-0.24	95.99	2.31	-0.93	95.87	2.43	-0.31	95.71	3.48	0.09	95.84	2.13	-0.58

TABLE 2: GROUNDWATER ELEVATION TABLE

Facility Name: Tropical Chevron **Facility ID#:** 64/8517300

All Measurements = Feet
No Data = Blank

WELL NO.	MW-1R			MW-2R			MW-3R			MW-4R			MW-5R		
DIAMETER	2-inch			2-inch			2-inch			2-inch			2-inch		
WELL DEPTH (ft)	13.0			13.0			13.0			13.0			13.0		
SCREEN INTERVAL (ft)	3 to 13			3 to 13			3 to 13			3 to 13			3 to 13		
TOC ELEVATION (ft)	99.22	resurvey:	99.00	98.47	resurvey:	98.30	98.53	resurvey:	98.30	99.17	resurvey:	99.19	98.21	resurvey:	97.97
DATE	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**
10/16/2014	95.88	3.12	0.18	94.71	3.59	1.28	96.16	2.14	-0.29	95.98	3.21	-0.27	95.74	2.23	0.10
11/13/2014	95.23	3.77	0.65	95.12	3.18	-0.41	95.73	2.57	0.43	95.48	3.71	0.50	95.24	2.73	0.50
12/16/2014	95.09	3.91	0.14	95.09	3.21	0.03	95.93	2.37	-0.20	95.49	3.7	-0.01	94.95	3.02	0.29
1/19/2015	95.47	3.53	-0.38	95.59	2.71	-0.50	96.29	2.01	-0.36	95.89	3.3	-0.40	95.94	2.03	-0.99
1/20/2015	95.26	3.74	0.21	NM	NM	NM	95.93	2.37	0.36	NM	NM	NM	95.43	2.54	0.51
2/25/2015	96.15	2.85	-0.89	95.40	2.9	--	97.21	1.09	-1.28	95.73	3.46	--	96.20	1.77	-0.77
3/26/2015	94.84	4.16	1.31	94.39	3.91	1.01	94.78	3.52	2.43	95.09	4.1	0.64	94.45	3.52	1.75
4/22/2015	94.66	4.34	0.18	94.29	4.01	0.10	95.43	2.87	-0.65	95.82	3.37	-0.73	95.06	2.91	-0.61
5/29/2015	94.86	4.14	-0.20	93.68	4.62	0.61	94.91	3.39	0.52	94.58	4.61	1.24	94.09	3.88	0.97
6/23/2015	94.37	4.63	0.49	93.91	4.39	-0.23	93.85	4.45	1.06	94.23	4.96	0.35	93.64	4.33	0.45
7/22/2015	94.76	4.24	-0.39	94.18	4.12	-0.27	94.76	3.54	-0.91	95.02	4.17	-0.79	94.37	3.6	-0.73
8/24/2015	94.84	4.16	-0.08	94.78	3.52	-0.60	94.86	3.44	-0.10	95.36	3.83	-0.34	94.44	3.53	-0.07
9/22/2015	95.47	3.53	-0.63	95.74	2.56	-0.96	95.57	2.73	-0.71	96.08	3.11	-0.72	95.27	2.7	-0.83
10/20/2015	94.85	4.15	0.62	94.04	4.26	1.70	94.51	3.79	1.06	94.73	4.46	1.35	94.35	3.62	0.92
11/19/2015	94.07	4.93	0.78	93.56	4.74	0.48	94.16	4.14	0.35	94.24	4.95	0.49	93.86	4.11	0.49
12/17/2015	94.63	4.37	-0.56	94.36	3.94	-0.80	94.82	3.48	-0.66	94.92	4.27	0.68	94.50	3.47	0.64
1/13/2016	94.22	4.78	0.41	93.78	4.52	0.58	94.29	4.01	0.53	94.43	4.76	0.49	94.04	3.93	0.46
12/8/2016	93.91	5.09	0.31	93.41	4.89	0.37		NM			NM			NM	
5/17/2018	Abandoned			96.29	2.01	-2.88		NM		95.55	3.64	-1.12		NM	
8/20/2018	Abandoned			95.41	2.89	0.88		NM		95.80	3.39	-0.25		NM	
11/16/2018	Abandoned			94.11	4.19	1.30		NM		94.74	4.45	1.06		NM	
2/15/2019	Abandoned			95.53	2.77	-1.42		NM		95.72	3.47	-0.98		NM	
4/29/2019	Abandoned				NM			NM			NM			NM	
7/18/2019	Abandoned				NM			NM			NM			NM	
2/5/2020	Abandoned				NM			NM			NM			NM	
7/14/2020	Abandoned				NM			NM			NM			NM	
6/8/2023	Abandoned				NM		93.63	4.67	-0.66	94.11	5.08	-1.61	93.66	4.31	-0.38

TABLE 2: GROUNDWATER ELEVATION TABLE

Facility Name: Tropical Chevron **Facility ID#:** 64/8517300

All Measurements = Feet
No Data = Blank

WELL NO.	MW-6R			MW-7R			MW-8R			MW-9R			MW-10R		
DIAMETER	2-inch			2-inch			2-inch			2-inch			2-inch		
WELL DEPTH (ft)	13.0			13.0			12.0			12.0			12.0		
SCREEN INTERVAL (ft)	3 to 13			3 to 13			2 to 12			2 to 12			2 to 12		
TOC ELEVATION (ft)	99.79	resurvey:	99.67	99.76	resurvey:	99.75	96.32	resurvey:	96.10	NS	resurvey:	95.94	96.82	resurvey:	96.65

DATE	ELEV	DTW	Diff	ELEV	DTW	Diff	ELEV	DTW	Diff	ELEV	DTW	Diff	ELEV	DTW	Diff
4/7/2005	94.26	5.53		94.28	5.48		94.24	2.08		NS	2.59			NI	
1/18/2006	93.87	5.92	0.39	94.04	5.72	0.24	94.05	2.27	0.19	NS	2.21	-0.38	93.79	3.03	
5/17/2006	NM	NM	NM	NM	NM	NM	92.41	3.91	1.64	NS	3.66	1.45	92.42	4.40	1.37
1/10/2007	93.98	5.81	-0.11	NM	NM	NM	93.76	2.56	-1.35	NM	NM	NM	NM	NM	NM
6/4/2007	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
12/19/2008	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
4/9/2009	-4.88	4.88	0.00	NM	NM	NM	NM	NM	NM	-1.41	1.41		-2.08	2.08	
2/15-16/10	-4.61	4.61	-0.27	95.44	4.31	-1.17	-1.23	1.23	-2.68	94.59	1.35	-0.06	-1.69	1.69	-0.39
2/14/2012	NM	NM	NM	NM	NM	NM	-2.01	2.01	0.78	NM	NM	NM	NM	NM	NM
3/28/2013 (Baseline)	93.42	6.25	1.64	NM	NM	NM	93.19	2.91	0.90	NM	NM	NM	Destroyed		
5/9/2013	98.67	1.00	-5.25	94.57	5.18	0.87	94.56	1.54	-1.37	94.20	1.74	0.39	Destroyed		
5/16/2013	99.17	0.50	-0.50	95.54	4.21	-0.97	95.60	0.50	-1.04	95.44	0.50	-1.24	Destroyed		
5/23/2013	99.17	0.50	0.00	95.30	4.45	0.24	NM (under water)			95.04	0.90	0.40	Destroyed		
6/14/2013	96.65	3.02	2.52	95.87	3.88	-0.57	NM (under water)			94.43	1.51	0.61	Destroyed		
7/23/2013	97.77	1.90	-1.12	94.60	5.15	1.27	93.63	2.47	1.97	94.42	1.52	0.01	Destroyed		
8/27/2013	99.65	0.02	-1.88	96.41	3.34	-1.81	96.09	0.01	0.01	95.92	0.02	-1.50	Destroyed		
9/9/2013	96.53	3.14	3.12	95.44	4.31	0.97	NM (under water)			94.20	1.74	1.72	Destroyed		
10/31/2013	98.26	1.41	-1.73	95.03	4.72	0.41	94.55	1.55	-0.92	94.91	1.03	-0.71	Destroyed		
11/14/2013	98.67	1.00	-0.41	94.62	5.13	0.41	94.62	1.48	1.47	94.36	1.58	0.55	Destroyed		
12/3/2013	97.03	2.64	1.64	94.83	4.92	-0.21	95.04	1.06	1.06	94.62	1.32	-0.26	Destroyed		
1/2/2014	95.88	3.79	1.15	94.70	5.05	0.13	94.72	1.38	-0.17	94.49	1.45	0.13	Destroyed		
2/6/2014	94.61	5.06	1.27	94.85	4.9	-0.15	94.05	2.05	0.57	94.49	1.45	0.00	Destroyed		
3/11/2014	94.35	5.32	0.26	94.72	5.03	0.13	92.99	3.11	2.05	93.53	2.41	0.96	Destroyed		
4/7/2014	98.14	1.53	-3.79	95.03	4.72	-0.31	95.07	1.03	-0.35	94.43	1.51	-0.90	Destroyed		
5/13/2014	94.44	5.23	3.70	94.93	4.82	0.10	94.68	1.42	-0.63	93.43	2.51	1.00	Destroyed		
6/18/2014	96.69	2.98	-2.25	95.04	4.71	-0.11	93.76	2.34	-0.77	92.43	3.51	1.00	Destroyed		
7/17/2014	99.65	0.02	-2.96	96.10	3.65	-1.06	NM (under water)			91.43	4.51	1.00	Destroyed		
8/27/2014	95.39	4.28	4.26	95.41	4.34	0.69	96.08	0.02	-1.40	94.62	1.32	-3.19	Destroyed		
9/19/2014	95.20	4.47	0.19	95.29	4.46	0.12	94.39	1.71	-0.63	94.63	1.31	-0.01	Destroyed		

TABLE 2: GROUNDWATER ELEVATION TABLE

Facility Name: Tropical Chevron **Facility ID#:** 64/8517300

All Measurements = Feet
No Data = Blank

WELL NO.	MW-6R			MW-7R			MW-8R			MW-9R			MW-10R		
DIAMETER	2-inch			2-inch			2-inch			2-inch			2-inch		
WELL DEPTH (ft)	13.0			13.0			12.0			12.0			12.0		
SCREEN INTERVAL (ft)	3 to 13			3 to 13			2 to 12			2 to 12			2 to 12		
TOC ELEVATION (ft)	99.79	resurvey:	99.67	99.76	resurvey:	99.75	96.32	resurvey:	96.10	NS	resurvey:	95.94	96.82	resurvey:	96.65
DATE	ELEV	DTW	Diff	ELEV	DTW	Diff	ELEV	DTW	Diff	ELEV	DTW	Diff	ELEV	DTW	Diff
10/16/2014	95.42	4.25	-0.22	95.49	4.26	-0.20	NM (under water)			95.12	0.82	-0.49	Destroyed		
11/13/2014	96.16	3.51	-0.74	95.03	4.72	0.46	95.62	0.48	--	95.63	0.31	-0.51	Destroyed		
12/16/2014	94.78	4.89	1.38	91.92	7.83	3.11	NM (under water)			94.59	1.35	1.04	Destroyed		
1/19/2015	95.36	4.31	-0.58	95.43	4.32	-3.51	NM (under water)			95.05	0.89	-0.46	Destroyed		
1/20/2015	95.11	4.56	0.25	NM	NM	NM	NM (under water)			NM	NM	NM	Destroyed		
2/25/2015	95.75	3.92	-0.64	95.57	4.18	--	Bubbling Over			95.44	0.5	--	Destroyed		
3/26/2015	94.54	5.13	1.21	94.81	4.94	0.76	94.67	1.43	--	94.40	1.54	1.04	Destroyed		
4/22/2015	94.94	4.73	-0.40	95.35	4.4	-0.54	94.76	1.34	-0.09	94.73	1.21	-0.33	Destroyed		
5/29/2015	94.26	5.41	0.68	94.46	5.29	0.89	94.54	1.56	0.22	93.97	1.97	0.76	Destroyed		
6/23/2015	94.66	5.01	-0.40	94.04	5.71	0.42	93.65	2.45	0.89	93.59	2.35	0.38	Destroyed		
7/22/2015	94.43	5.24	0.23	94.60	5.15	-0.56	95.00	1.10	-1.35	94.15	1.79	-0.56	Destroyed		
8/24/2015	94.55	5.12	-0.12	94.90	4.85	-0.30	94.69	1.41	0.31	94.29	1.65	-0.14	Destroyed		
9/22/2015	95.26	4.41	-0.71	95.57	4.18	-0.67	NM (under water)			94.87	1.07	-0.58	Destroyed		
10/20/2015	94.38	5.29	0.88	94.53	5.22	1.04	94.49	1.61	0.20	94.07	1.87	0.80	Destroyed		
11/19/2015	93.86	5.81	0.52	94.07	5.68	0.46	93.95	2.15	0.54	93.73	2.21	0.34	Destroyed		
12/17/2015	94.35	5.32	-0.49	94.60	5.15	-0.53	94.55	1.55	-0.60	94.22	1.72	-0.49	Destroyed		
1/13/2016	94.02	5.65	0.33	94.22	5.53	0.38	94.16	1.94	0.39	93.90	2.04	0.32	Destroyed		
12/8/2016		NM			NM			NM			NM		Destroyed		
5/17/2018		NM			NM			NM			NM		Destroyed		
8/20/2018		NM			NM			NM			NM		Destroyed		
11/16/2018		NM			NM			NM			NM		Destroyed		
2/15/2019		NM			NM			NM			NM		Destroyed		
4/29/2019		NM			NM			NM			NM		Destroyed		
7/18/2019		NM			NM			NM			NM		Destroyed		
2/5/2020		NM			NM			NM			NM		Destroyed		
7/14/2020		NM			NM			NM			NM		Destroyed		
6/8/2023	93.64	6.03	-0.38		NM		Abandoned			93.60	2.34	-0.30	Destroyed		

TABLE 2: GROUNDWATER ELEVATION TABLE

Facility Name: Tropical Chevron **Facility ID#:** 64/8517300

All Measurements = Feet
No Data = Blank

WELL NO.	MW-11R			MW-12R			MW-13R			DW-1			DW-2		
DIAMETER	2-inch			2-inch			2-inch			2-inch			2-inch		
WELL DEPTH (ft)	12 .0			12.0			12.0			50.0			50.0		
SCREEN INTERVAL (ft)	2 to 12			2 to 12			2 to 12			45 to 50			45 to 50		
TOC ELEVATION (ft)	100.11			99.67			99.22			99.31	resurvey:	99.15	97.76		
DATE	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**
4/7/2005		NI			NI			NI		91.75	7.56			NI	
1/18/2006		NI			NI			NI		NM	NM	NM	92.40	5.36	
5/17/2006		NI			NI			NI		NM	NM	NM	88.90	8.86	3.50
1/10/2007	93.79	6.32		93.73	5.94		93.40	5.82		91.02	8.29	0.73	90.85	6.91	-1.95
6/4/2007	NM	NM	NM	NM	NM	NM	NM	NM	NM	89.19	10.12	1.83	89.08	8.68	1.77
12/19/2008	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
4/9/2009	94.72	5.39	-0.93	94.74	4.93	-1.01	NM	NM	NM	NM	NM	NM	NM	NM	NM
2/15-16/10	96.14	3.97	-1.42	94.77	4.90	-0.03	94.60	4.62	-1.20	92.03	7.12	-3.00	92.00	5.76	-2.92
12/10/2010	Abandoned			Abandoned			Abandoned				NM			NM	
3/28/2013 (Baseline)	Abandoned			Abandoned			Abandoned				NM			NM	
5/9/2013	Abandoned			Abandoned			Abandoned				NM			NM	
5/16/2013	Abandoned			Abandoned			Abandoned				NM			NM	
5/23/2013	Abandoned			Abandoned			Abandoned				NM			NM	
6/14/2013	Abandoned			Abandoned			Abandoned				NM			NM	
7/23/2013	Abandoned			Abandoned			Abandoned				NM			NM	
8/27/2013	Abandoned			Abandoned			Abandoned				NM			NM	
9/9/2013	Abandoned			Abandoned			Abandoned				NM			NM	
10/31/2013	Abandoned			Abandoned			Abandoned				NM			NM	
11/14/2013	Abandoned			Abandoned			Abandoned				NM			NM	
12/3/2013	Abandoned			Abandoned			Abandoned				NM			NM	
1/2/2014	Abandoned			Abandoned			Abandoned				NM			NM	
2/6/2014	Abandoned			Abandoned			Abandoned				NM			NM	
3/11/2014	Abandoned			Abandoned			Abandoned				NM			NM	
4/7/2014	Abandoned			Abandoned			Abandoned				NM			NM	
5/13/2014	Abandoned			Abandoned			Abandoned				NM			NM	
6/18/2014	Abandoned			Abandoned			Abandoned				NM			NM	
7/17/2014	Abandoned			Abandoned			Abandoned				NM			NM	
8/27/2014	Abandoned			Abandoned			Abandoned				NM			NM	
9/19/2014	Abandoned			Abandoned			Abandoned				NM			NM	

TABLE 2: GROUNDWATER ELEVATION TABLE

Facility Name: Tropical Chevron **Facility ID#:** 64/8517300

All Measurements = Feet
No Data = Blank

WELL NO.	MW-11R			MW-12R			MW-13R			DW-1			DW-2		
DIAMETER	2-inch			2-inch			2-inch			2-inch			2-inch		
WELL DEPTH (ft)	12 .0			12.0			12.0			50.0			50.0		
SCREEN INTERVAL (ft)	2 to 12			2 to 12			2 to 12			45 to 50			45 to 50		
TOC ELEVATION (ft)	100.11			99.67			99.22			99.31	resurvey:	99.15	97.76		
DATE	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**
10/16/2014	Abandoned			Abandoned			Abandoned				NM			NM	
11/13/2014	Abandoned			Abandoned			Abandoned				NM			NM	
12/16/2014	Abandoned			Abandoned			Abandoned				NM			NM	
1/19/2015	Abandoned			Abandoned			Abandoned				NM			NM	
1/20/2015	Abandoned			Abandoned			Abandoned				NM			NM	
2/25/2015	Abandoned			Abandoned			Abandoned				NM			NM	
3/26/2015	Abandoned			Abandoned			Abandoned				NM			NM	
4/22/2015	Abandoned			Abandoned			Abandoned				NM			NM	
5/29/2015	Abandoned			Abandoned			Abandoned				NM			NM	
6/23/2015	Abandoned			Abandoned			Abandoned				NM			NM	
7/22/2015	Abandoned			Abandoned			Abandoned				NM			NM	
8/24/2015	Abandoned			Abandoned			Abandoned				NM			NM	
9/22/2015	Abandoned			Abandoned			Abandoned				NM			NM	
10/20/2015	Abandoned			Abandoned			Abandoned				NM			NM	
11/19/2015	Abandoned			Abandoned			Abandoned				NM			NM	
12/17/2015	Abandoned			Abandoned			Abandoned				NM			NM	
1/13/2016	Abandoned			Abandoned			Abandoned				NM			NM	
12/8/2016	Abandoned			Abandoned			Abandoned				NM			NM	
5/17/2018	Abandoned			Abandoned			Abandoned			Abandoned				NM	
8/20/2018	Abandoned			Abandoned			Abandoned			Abandoned				NM	
11/16/2018	Abandoned			Abandoned			Abandoned			Abandoned				NM	
2/15/2019	Abandoned			Abandoned			Abandoned			Abandoned				NM	
4/29/2019	Abandoned			Abandoned			Abandoned			Abandoned				NM	
7/18/2019	Abandoned			Abandoned			Abandoned			Abandoned				NM	
2/5/2020	Abandoned			Abandoned			Abandoned			Abandoned				NM	
7/14/2020	Abandoned			Abandoned			Abandoned			Abandoned				NM	
6/8/2023	Abandoned			Abandoned			Abandoned			Abandoned				NM	

TABLE 2: GROUNDWATER ELEVATION TABLE

Facility Name: Tropical Chevron **Facility ID#:** 64/8517300

All Measurements = Feet
No Data = Blank

WELL NO.	DW-3			OW-1			OW-2			OW-3			IW-1		
DIAMETER	2-inch			2-inch			2-inch			2-inch			2-inch		
WELL DEPTH (ft)	50.0			12.0			12.0			12.0			25.0		
SCREEN INTERVAL (ft)	45 to 50			2 to 12			2 to 12			2 to 12			20 to 25		
TOC ELEVATION (ft)	99.96			99.32	resurvey:	99.06	99.69	resurvey:	99.44	99.81	resurvey:	99.53	99.59		
DATE	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**
4/7/2005		NI			NI			NI						NI	
1/18/2006		NI		93.96	5.36	0.00	94.05	5.64		94.03	5.78		NM	NM	NM
5/17/2006		NI		NM	NM	NM	NM	NM	NM	NM	NM	NM	92.13	7.46	
6/4/2007	89.00	10.96	--	NM	NM	NM	NM	NM	NM	NM	NM	NM	93.12	6.47	-0.99
12/19/2008	91.27	8.69	-2.27	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
4/9/2009	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	94.54	5.05	-1.42
2/15-16/10	91.98	7.98	-0.71	NM	NM	NM	NM	NM	NM	NM	NM	NM	94.87	4.72	-0.33
12/8/2010	88.74	11.22	3.24	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
2/14/2012	91.83	8.13	-3.09	NM	NM	NM	NM	NM	NM	NM	NM	NM	94.18	5.41	0.69
3/28/2013 (Baseline)	NM	NM	NM	NM	NM	NM	Destroyed			NM	NM	NM	93.27	6.32	0.91
5/9/2013	NM	NM	NM	NM	NM	NM	Destroyed			NM	NM	NM	94.50	5.09	-1.23
5/16/2013	NM	NM	NM	NM	NM	NM	Destroyed			NM	NM	NM	96.43	3.16	-1.93
5/23/2013	NM	NM	NM	95.71	3.35	-2.01	Destroyed			99.03	0.50	0.50	95.36	4.23	1.07
6/14/2013	NM	NM	NM	96.01	3.05	-0.30	Destroyed			96.55	2.98	2.48	95.36	4.23	0.00
7/23/2013	NM	NM	NM	94.63	4.43	1.38	Destroyed			95.11	4.42	1.44	94.05	5.54	1.31
8/27/2013	NM	NM	NM	96.96	2.10	-2.33	Destroyed			99.52	0.01	-4.41	97.74	1.85	-3.69
9/9/2013	NM	NM	NM	96.04	3.02	0.92	Destroyed			96.96	2.57	2.56	95.37	4.22	2.37
10/31/2013	NM	NM	NM	95.46	3.60	0.58	Destroyed			95.62	3.91	1.34	95.63	3.96	-0.26
11/14/2013	NM	NM	NM	94.63	4.43	0.83	Destroyed			94.95	4.58	0.67	94.74	4.85	0.89
12/3/2013	NM	NM	NM	95.24	3.82	-0.61	Destroyed			95.78	3.75	-0.83	95.33	4.26	-0.59
1/2/2014	NM	NM	NM	94.86	4.20	0.38	Destroyed			95.19	4.34	0.59	94.72	4.87	0.61
2/6/2014	NM	NM	NM	94.70	4.36	0.16	Destroyed			95.04	4.49	0.15	94.47	5.12	0.25
3/11/2014	NM	NM	NM	94.80	4.26	-0.10	Destroyed			94.66	4.87	0.38	94.56	5.03	-0.09
4/7/2014	NM	NM	NM	95.03	4.03	-0.23	Destroyed			95.19	4.34	-0.53	94.74	4.85	-0.18
5/13/2014	NM	NM	NM	95.05	4.01	-0.02	Destroyed			94.83	4.70	0.36	94.61	4.98	0.13
6/18/2014	NM	NM	NM	95.49	3.57	-0.44	Destroyed			95.77	3.76	-0.94	95.43	4.16	-0.82
7/17/2014	NM	NM	NM	96.63	2.43	-1.14	Destroyed			96.89	2.64	-1.12	96.63	2.96	-1.20
8/27/2014	NM	NM	NM	95.98	3.08	0.65	Destroyed			96.90	2.63	-0.01	95.68	3.91	0.95
9/19/2014	NM	NM	NM	95.70	3.36	0.28	Destroyed			96.08	3.45	0.82	94.96	4.63	0.72

TABLE 2: GROUNDWATER ELEVATION TABLE

Facility Name: Tropical Chevron **Facility ID#:** 64/8517300

All Measurements = Feet
No Data = Blank

WELL NO.	DW-3			OW-1			OW-2			OW-3			IW-1		
DIAMETER	2-inch			2-inch			2-inch			2-inch			2-inch		
WELL DEPTH (ft)	50.0			12.0			12.0			12.0			25.0		
SCREEN INTERVAL (ft)	45 to 50			2 to 12			2 to 12			2 to 12			20 to 25		
TOC ELEVATION (ft)	99.96			99.32	resurvey:	99.06	99.69	resurvey:	99.44	99.81	resurvey:	99.53	99.59		
DATE	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**
10/16/2014	NM	NM	NM	95.95	3.11	-0.25		Destroyed		96.14	3.39	-0.06	95.65	3.94	-0.69
11/13/2014	NM	NM	NM	95.20	3.86	0.75		Destroyed		95.51	4.02	0.63	94.64	4.95	1.01
12/16/2014	NM	NM	NM	95.05	4.01	0.15		Destroyed		95.22	4.31	0.29	94.57	5.02	0.07
1/19/2015	NM	NM	NM	95.84	3.22	-0.79		Destroyed		96.12	3.41	-0.90	95.65	3.94	-1.08
1/20/2015	NM	NM	NM	NM	NM	NM		Destroyed		NM	NM	NM	94.96	4.63	0.69
2/25/2015	NM	NM	NM	96.86	2.2	--		Destroyed		98.46	1.07	--	96.99	2.6	-2.03
3/26/2015	NM	NM	NM	94.77	4.29	2.09		Destroyed		94.88	4.65	3.58	94.31	5.28	2.68
4/22/2015	NM	NM	NM	94.77	4.29	0.00		Destroyed		95.16	4.37	-0.28	93.40	6.19	0.91
5/29/2015	NM	NM	NM	94.60	4.46	0.17		Destroyed		94.62	4.91	0.54	94.99	4.6	-1.59
6/23/2015	NM	NM	NM	93.88	5.18	0.72		Destroyed		93.99	5.54	0.63	93.62	5.97	1.37
7/22/2015	NM	NM	NM	94.78	4.28	-0.90		Destroyed		94.80	4.73	-0.81	94.15	5.44	-0.53
8/24/2015	NM	NM	NM	94.94	4.12	-0.16		Destroyed		94.94	4.59	-0.14	94.46	5.13	-0.31
9/22/2015	NM	NM	NM	95.84	3.22	-0.90		Destroyed		95.89	3.64	-0.95	95.34	4.25	-0.88
10/20/2015	NM	NM	NM	94.60	4.46	1.24		Destroyed		94.69	4.84	1.20	94.53	5.06	0.81
11/19/2015	NM	NM	NM	94.04	5.02	0.56		Destroyed		94.20	5.33	0.49	93.92	5.67	0.61
12/17/2015	NM	NM	NM	94.72	4.34	-0.68		Destroyed		94.72	4.81	-0.52	94.47	5.12	-0.55
1/13/2016	NM	NM	NM	94.22	4.84	0.50		Destroyed		94.26	5.27	0.46	94.05	5.54	0.42
12/8/2016	NM	NM	NM	93.90	5.16	0.32		Destroyed			NM			NM	
5/17/2018	NM	NM	NM	95.81	3.25	-1.91		Destroyed			NM			NM	
8/20/2018	NM	NM	NM	95.53	3.53	0.28		Destroyed			NM			NM	
11/16/2018	NM	NM	NM	94.53	4.53	1.00		Destroyed			NM			NM	
2/15/2019	NM	NM	NM	95.65	3.41	-1.12		Destroyed			NM			NM	
4/29/2019	NM	NM	NM		NM			Destroyed			NM		93.72	5.87	0.33
7/18/2019	NM	NM	NM		NM			Destroyed			NM		95.08	4.51	-1.36
2/5/2020	NM	NM	NM		NM			Destroyed			NM		94.31	5.28	0.77
7/14/2020	NM	NM	NM		NM			Destroyed			NM			NM	
6/8/2023		CNL			NM			Destroyed			NM		93.76	5.83	-0.55

TABLE 2: GROUNDWATER ELEVATION TABLE

Facility Name: Tropical Chevron **Facility ID#:** 64/8517300

All Measurements = Feet
No Data = Blank

WELL NO.	IW-2			IW-3			IW-4			IW-5			IW-6		
DIAMETER	2-inch			2-inch			2-inch			2-inch			2-inch		
WELL DEPTH (ft)	25.0			25.0			25.0			25.0			25.0		
SCREEN INTERVAL (ft)	20 to 25			20 to 25			20 to 25			20 to 25			20 to 25		
TOC ELEVATION (ft)	98.12			99.62			100.79			100.69			99.97		
DATE	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**
4/7/2005		NI			NI			NI			NI			NI	
1/18/2006		NI			NI			NI			NI			NI	
5/17/2006	92.06	6.06			NI			NI			NI			NI	
6/4/2007	92.20	5.92	NM	93.17	6.45	NM	93.10	7.69		93.56	7.13		93.36	6.61	
12/19/2008	NM	NM	NM	NM	NM	NM	-6.88	6.88	-0.81	NM	NM	NM	NM	NM	NM
4/9/2009	20.82	4.18	-1.74	19.67	5.33	-1.12	NM	NM	NM	-6.17	6.17	-0.96	19.45	5.55	-1.06
2/15-16/10	21.63	3.37	-0.81	19.81	5.19	-0.14	-6.04	6.04	-0.84	-6.21	6.21	0.04	19.67	5.33	-0.22
12/10/2010	NM	NM	NM	Abandoned			Abandoned			Abandoned			Abandoned		
2/14/2012	20.83	4.17	0.80	Abandoned			Abandoned			Abandoned			Abandoned		
3/28/2013 (Baseline)	93.15	4.97	0.80	Abandoned			Abandoned			Abandoned			Abandoned		
5/9/2013	94.25	3.87	-1.10	Abandoned			Abandoned			Abandoned			Abandoned		
5/16/2013	95.25	2.87	-1.00	Abandoned			Abandoned			Abandoned			Abandoned		
5/23/2013	94.77	3.35	0.48	Abandoned			Abandoned			Abandoned			Abandoned		
6/14/2013	94.48	3.64	0.29	Abandoned			Abandoned			Abandoned			Abandoned		
7/23/2013	94.41	3.71	0.07	Abandoned			Abandoned			Abandoned			Abandoned		
8/27/2013	96.83	1.29	-2.42	Abandoned			Abandoned			Abandoned			Abandoned		
9/9/2013	80.62	17.50	16.21	Abandoned			Abandoned			Abandoned			Abandoned		
10/31/2013	85.84	12.28	-5.22	Abandoned			Abandoned			Abandoned			Abandoned		
11/14/2013	88.47	9.65	-2.63	Abandoned			Abandoned			Abandoned			Abandoned		
12/3/2013	85.56	12.56	2.91	Abandoned			Abandoned			Abandoned			Abandoned		
1/2/2014	87.89	10.23	-2.33	Abandoned			Abandoned			Abandoned			Abandoned		
2/6/2014	84.59	13.53	3.30	Abandoned			Abandoned			Abandoned			Abandoned		
3/11/2014	80.61	17.51	3.98	Abandoned			Abandoned			Abandoned			Abandoned		
4/7/2014	80.28	17.84	0.33	Abandoned			Abandoned			Abandoned			Abandoned		
5/13/2014	80.90	17.22	-0.62	Abandoned			Abandoned			Abandoned			Abandoned		
6/18/2014	79.71	18.41	1.19	Abandoned			Abandoned			Abandoned			Abandoned		
7/17/2014	92.89	5.23	-13.18	Abandoned			Abandoned			Abandoned			Abandoned		
8/27/2014	80.87	17.25	12.02	Abandoned			Abandoned			Abandoned			Abandoned		
9/19/2014	82.80	15.32	-1.93	Abandoned			Abandoned			Abandoned			Abandoned		

TABLE 2: GROUNDWATER ELEVATION TABLE

Facility Name: Tropical Chevron **Facility ID#:** 64/8517300

All Measurements = Feet
No Data = Blank

WELL NO.	IW-2			IW-3			IW-4			IW-5			IW-6		
DIAMETER	2-inch			2-inch			2-inch			2-inch			2-inch		
WELL DEPTH (ft)	25.0			25.0			25.0			25.0			25.0		
SCREEN INTERVAL (ft)	20 to 25			20 to 25			20 to 25			20 to 25			20 to 25		
TOC ELEVATION (ft)	98.12			99.62			100.79			100.69			99.97		
DATE	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**
10/16/2014	83.73	14.39	-0.93	Abandoned			Abandoned			Abandoned			Abandoned		
11/13/2014	80.74	17.38	2.99	Abandoned			Abandoned			Abandoned			Abandoned		
12/16/2014	80.89	17.23	-0.15	Abandoned			Abandoned			Abandoned			Abandoned		
1/19/2015	81.71	16.41	-0.82	Abandoned			Abandoned			Abandoned			Abandoned		
1/20/2015	94.97	3.15	-13.26	Abandoned			Abandoned			Abandoned			Abandoned		
2/25/2015	80.67	17.45	14.30	Abandoned			Abandoned			Abandoned			Abandoned		
3/26/2015	81.02	17.10	-0.35	Abandoned			Abandoned			Abandoned			Abandoned		
4/22/2015	81.71	16.41	-0.69	Abandoned			Abandoned			Abandoned			Abandoned		
5/29/2015	80.93	17.19	0.78	Abandoned			Abandoned			Abandoned			Abandoned		
6/23/2015	80.09	18.03	0.84	Abandoned			Abandoned			Abandoned			Abandoned		
7/22/2015	80.71	17.41	-0.62	Abandoned			Abandoned			Abandoned			Abandoned		
8/24/2015	81.97	16.15	-1.26	Abandoned			Abandoned			Abandoned			Abandoned		
9/22/2015	82.02	16.10	-0.05	Abandoned			Abandoned			Abandoned			Abandoned		
10/20/2015	81.53	16.59	0.49	Abandoned			Abandoned			Abandoned			Abandoned		
11/19/2015	92.74	5.38	-11.21	Abandoned			Abandoned			Abandoned			Abandoned		
12/17/2015	91.86	6.26	0.88	Abandoned			Abandoned			Abandoned			Abandoned		
1/13/2016	88.71	9.41	3.15	Abandoned			Abandoned			Abandoned			Abandoned		
12/8/2016		NM		Abandoned			Abandoned			Abandoned			Abandoned		
5/17/2018		NM		Abandoned			Abandoned			Abandoned			Abandoned		
8/20/2018		NM		Abandoned			Abandoned			Abandoned			Abandoned		
11/16/2018		NM		Abandoned			Abandoned			Abandoned			Abandoned		
2/15/2019		NM		Abandoned			Abandoned			Abandoned			Abandoned		
4/29/2019		NM		Abandoned			Abandoned			Abandoned			Abandoned		
7/18/2019		NM		Abandoned			Abandoned			Abandoned			Abandoned		
2/5/2020		NM		Abandoned			Abandoned			Abandoned			Abandoned		
7/14/2020		NM		Abandoned			Abandoned			Abandoned			Abandoned		
6/8/2023	93.65	4.47	4.94	Abandoned			Abandoned			Abandoned			Abandoned		

TABLE 2: GROUNDWATER ELEVATION TABLE

Facility Name: Tropical Chevron **Facility ID#:** 64/8517300

All Measurements = Feet
No Data = Blank

WELL NO.	IW-7			IW-8			IW-9			IW-10			IW-11		
DIAMETER	2-inch			2-inch			2-inch			2-inch			2-inch		
WELL DEPTH (ft)	25.0			25.0			25.0			25.0			25.0		
SCREEN INTERVAL (ft)	20 to 25			20 to 25			20 to 25			20 to 25			20 to 25		
TOC ELEVATION (ft)	97.99			99.96			99.77			99.54			99.80		
DATE	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**
4/7/2005		NI			NI			NI			NI			NI	
1/18/2006		NI			NI			NI			NI			NI	
5/17/2006		NI			NI			NI			NI			NI	
6/4/2007		NI			NI			NI			NI			NI	
12/19/2008	21.01	3.99		18.90	6.10		19.15	5.85		19.51	5.49		19.37	5.63	
4/9/2009	NM	NM	NM	NM	NM	NM	NM	NM	NM	19.85	5.15	-0.34	19.45	5.55	-0.08
2/15-16/10	21.83	3.17	-0.82	19.62	5.38		19.77	5.23	-0.62	19.98	5.02	-0.13	20.75	4.25	-1.30
12/10/2010	NM	NM	NM	Abandoned			Abandoned			Abandoned			NM	NM	NM
2/14/2012	21.19	3.81	0.64	Abandoned			Abandoned			Abandoned			NM	NM	NM
3/28/2013 (Baseline)	93.12	4.87	1.06	Abandoned			Abandoned			Abandoned			NM	NM	NM
5/9/2013	94.35	3.64	-1.23	Abandoned			Abandoned			Abandoned			94.27	5.53	1.28
5/16/2013	95.61	2.38	-1.26	Abandoned			Abandoned			Abandoned			96.09	3.71	-1.82
5/23/2013	95.29	2.70	0.32	Abandoned			Abandoned			Abandoned			95.14	4.66	0.95
6/14/2013	95.51	2.48	-0.22	Abandoned			Abandoned			Abandoned			95.34	4.46	-0.2
7/23/2013	94.78	3.21	0.73	Abandoned			Abandoned			Abandoned			94.24	5.56	1.1
8/27/2013	96.78	1.21	-2.00	Abandoned			Abandoned			Abandoned			96.91	2.89	-2.67
9/9/2013	95.00	2.99	1.78	Abandoned			Abandoned			Abandoned			95.19	4.61	1.72
10/31/2013	94.17	3.82	0.83	Abandoned			Abandoned			Abandoned			94.48	5.32	0.71
11/14/2013	94.07	3.92	0.10	Abandoned			Abandoned			Abandoned			94.62	5.18	-0.14
12/3/2013	91.39	6.60	2.68	Abandoned			Abandoned			Abandoned			94.92	4.88	-0.3
1/2/2014	92.05	5.94	-0.66	Abandoned			Abandoned			Abandoned			94.57	5.23	0.35
2/6/2014	91.18	6.81	0.87	Abandoned			Abandoned			Abandoned			93.09	6.71	1.48
3/11/2014	87.85	10.14	3.33	Abandoned			Abandoned			Abandoned			96.39	3.41	-3.3
4/7/2014	85.84	12.15	2.01	Abandoned			Abandoned			Abandoned			94.24	5.56	2.15
5/13/2014	88.27	9.72	-2.43	Abandoned			Abandoned			Abandoned			93.37	6.43	0.87
6/18/2014	87.18	10.81	1.09	Abandoned			Abandoned			Abandoned			91.99	7.81	1.38
7/17/2014	92.88	5.11	-5.70	Abandoned			Abandoned			Abandoned			94.49	5.31	-2.5
8/27/2014	87.58	10.41	5.30	Abandoned			Abandoned			Abandoned			96.04	3.76	-1.55
9/19/2014	90.60	7.39	-3.02	Abandoned			Abandoned			Abandoned			94.91	4.89	1.13

TABLE 2: GROUNDWATER ELEVATION TABLE

Facility Name: Tropical Chevron **Facility ID#:** 64/8517300

All Measurements = Feet
No Data = Blank

WELL NO.	IW-7			IW-8			IW-9			IW-10			IW-11		
DIAMETER	2-inch			2-inch			2-inch			2-inch			2-inch		
WELL DEPTH (ft)	25.0			25.0			25.0			25.0			25.0		
SCREEN INTERVAL (ft)	20 to 25			20 to 25			20 to 25			20 to 25			20 to 25		
TOC ELEVATION (ft)	97.99			99.96			99.77			99.54			99.80		
DATE	ELEV	DTW	Diff	ELEV	DTW	Diff	ELEV	DTW	Diff	ELEV	DTW	Diff	ELEV	DTW	Diff
10/16/2014	90.38	7.61	0.22	Abandoned			Abandoned			Abandoned			95.78	4.02	-0.87
11/13/2014	87.05	10.94	3.33	Abandoned			Abandoned			Abandoned			94.49	5.31	1.29
12/16/2014	93.31	4.68	-6.26	Abandoned			Abandoned			Abandoned			94.67	5.13	-0.18
1/19/2015	86.68	11.31	6.63	Abandoned			Abandoned			Abandoned			96.09	3.71	-1.42
1/20/2015	95.01	2.98	-8.33	Abandoned			Abandoned			Abandoned			NM	NM	NM
2/25/2015	87.74	10.25	7.27	Abandoned			Abandoned			Abandoned			92.84	6.96	--
3/26/2015	83.99	14.00	3.75	Abandoned			Abandoned			Abandoned			91.25	8.55	1.59
4/22/2015	85.51	12.48	-1.52	Abandoned			Abandoned			Abandoned			94.77	5.03	-3.52
5/29/2015	94.37	3.62	-8.86	Abandoned			Abandoned			Abandoned			92.37	7.43	2.4
6/23/2015	86.58	11.41	7.79	Abandoned			Abandoned			Abandoned			91.49	8.31	0.88
7/22/2015	85.67	12.32	0.91	Abandoned			Abandoned			Abandoned			93.89	5.91	-2.4
8/24/2015	84.87	13.12	0.80	Abandoned			Abandoned			Abandoned			92.58	7.22	1.31
9/22/2015	87.45	10.54	-2.58	Abandoned			Abandoned			Abandoned			94.26	5.54	-1.68
10/20/2015	85.84	12.15	1.61	Abandoned			Abandoned			Abandoned			93.11	6.69	1.15
11/19/2015	85.93	12.06	-0.09	Abandoned			Abandoned			Abandoned			89.96	9.84	3.15
12/17/2015	86.84	11.15	-0.91	Abandoned			Abandoned			Abandoned			91.55	8.25	-1.59
1/13/2016	84.89	13.10	1.95	Abandoned			Abandoned			Abandoned			91.23	8.57	0.32
12/8/2016	93.60	4.39	-8.71	Abandoned			Abandoned			Abandoned				NM	
5/17/2018		NM		Abandoned			Abandoned			Abandoned				NM	
8/20/2018		NM		Abandoned			Abandoned			Abandoned				NM	
11/16/2018		NM		Abandoned			Abandoned			Abandoned				NM	
2/15/2019		NM		Abandoned			Abandoned			Abandoned				NM	
4/29/2019	93.53	4.46	0.07	Abandoned			Abandoned			Abandoned				NM	
7/18/2019	94.88	3.11	-1.35	Abandoned			Abandoned			Abandoned				NM	
2/5/2020	94.14	3.85	0.74	Abandoned			Abandoned			Abandoned				NM	
7/14/2020		NM		Abandoned			Abandoned			Abandoned				NM	
6/8/2023	93.59	4.40	-0.55	Abandoned			Abandoned			Abandoned			93.59	6.21	2.36

TABLE 2: GROUNDWATER ELEVATION TABLE

Facility Name: Tropical Chevron **Facility ID#:** 64/8517300

All Measurements = Feet
No Data = Blank

WELL NO.	IW-13			IW-14			IW-15			DW-4			DW-5		
DIAMETER	2-inch			2-inch			2-inch			2-inch			2-inch		
WELL DEPTH (ft)	25.0			25.0			25.0			50.0			50.0		
SCREEN INTERVAL (ft)	20 to 25			20 to 25			20 to 25			45 to 50			45 to 50		
TOC ELEVATION (ft)	99.30			99.17			99.51			100.28			99.31		
DATE	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**
4/7/2005		NI			NI			NI			NI			NI	
1/18/2006		NI			NI			NI			NI			NI	
1/10/2007		NI			NI			NI			NI			NI	
6/4/2007		NI			NI			NI			NI			NI	
12/19/2008		NI			NI			NI			NI			NI	
2/15-16/10	94.38	4.92		93.86	5.31		95.02	4.49		92.06	8.22		91.99	7.32	
12/8/2010	NM	NM	NM	90.52	8.65	3.34	NM	NM	NM	88.85	11.43	3.21	88.67	10.64	3.32
12/10/2010	Abandoned			Abandoned			NM	NM	NM	Buried			Buried		
2/14/2012	Abandoned			Abandoned			NM	NM	NM	Buried			Buried		
3/28/2013 (Baseline)	Abandoned			Abandoned			93.36	6.15		Buried			Buried		
5/9/2013	Abandoned			Abandoned			94.75	4.76	-1.39	Buried			Buried		
5/16/2013	Abandoned			Abandoned			95.43	4.08	-0.68	Buried			Buried		
5/23/2013	Abandoned			Abandoned			95.56	3.95	-0.13	Buried			Buried		
6/14/2013	Abandoned			Abandoned			95.53	3.98	0.03	Buried			Buried		
7/23/2013	Abandoned			Abandoned			95.16	4.35	0.37	Buried			Buried		
8/27/2013	Abandoned			Abandoned			96.47	3.04	-1.31	Buried			Buried		
9/9/2013	Abandoned			Abandoned			96.23	3.28	0.24	Buried			Buried		
10/31/2013	Abandoned			Abandoned			95.54	3.97	0.69	Buried			Buried		
11/14/2013	Abandoned			Abandoned			94.74	4.77	0.80	Buried			Buried		
12/3/2013	Abandoned			Abandoned			94.77	4.74	-0.03	Buried			Buried		
1/2/2014	Abandoned			Abandoned			94.84	4.67	-0.07	Buried			Buried		
2/6/2014	Abandoned			Abandoned			94.53	4.98	0.31	Buried			Buried		
3/11/2014	Abandoned			Abandoned			94.80	4.71	-0.27	Buried			Buried		
4/7/2014	Abandoned			Abandoned			94.75	4.76	0.05	Buried			Buried		
5/13/2014	Abandoned			Abandoned			94.56	4.95	0.19	Buried			Buried		
6/18/2014	Abandoned			Abandoned			95.38	4.13	-0.82	Buried			Buried		
7/17/2014	Abandoned			Abandoned			95.73	3.78	-0.35	Buried			Buried		
8/27/2014	Abandoned			Abandoned			95.91	3.60	-0.18	Buried			Buried		
9/19/2014	Abandoned			Abandoned			95.53	3.98	0.38	Buried			Buried		

TABLE 2: GROUNDWATER ELEVATION TABLE

Facility Name: Tropical Chevron **Facility ID#:** 64/8517300

All Measurements = Feet
No Data = Blank

WELL NO.	IW-13			IW-14			IW-15			DW-4			DW-5		
DIAMETER	2-inch			2-inch			2-inch			2-inch			2-inch		
WELL DEPTH (ft)	25.0			25.0			25.0			50.0			50.0		
SCREEN INTERVAL (ft)	20 to 25			20 to 25			20 to 25			45 to 50			45 to 50		
TOC ELEVATION (ft)	99.30			99.17			99.51			100.28			99.31		
DATE	ELEV	DTW	Diff	ELEV	DTW	Diff	ELEV	DTW	Diff	ELEV	DTW	Diff	ELEV	DTW	Diff
10/16/2014	Abandoned			Abandoned			95.70	3.81	-0.17	Buried			Buried		
11/13/2014	Abandoned			Abandoned			95.70	3.81	0.00	Buried			Buried		
12/16/2014	Abandoned			Abandoned			95.30	4.21	0.40	Buried			Buried		
1/19/2015	Abandoned			Abandoned			95.48	4.03	-0.18	Buried			Buried		
1/20/2015	Abandoned			Abandoned			95.35	4.16	0.13	Buried			Buried		
2/25/2015	Abandoned			Abandoned			95.37	4.14	-0.02	Buried			Buried		
3/26/2015	Abandoned			Abandoned			95.45	4.06	-0.08	Buried			Buried		
4/22/2015	Abandoned			Abandoned			95.16	4.35	0.29	Buried			Buried		
5/29/2015	Abandoned			Abandoned			94.82	4.69	0.34	Buried			Buried		
6/23/2015	Abandoned			Abandoned			93.94	5.57	0.88	Buried			Buried		
7/22/2015	Abandoned			Abandoned			94.89	4.62	-0.95	Buried			Buried		
8/24/2015	Abandoned			Abandoned			94.66	4.85	0.23	Buried			Buried		
9/22/2015	Abandoned			Abandoned			95.33	4.18	-0.67	Buried			Buried		
10/20/2015	Abandoned			Abandoned			94.64	4.87	0.69	Buried			Buried		
11/19/2015	Abandoned			Abandoned			94.41	5.10	0.23	Buried			Buried		
12/17/2015	Abandoned			Abandoned			94.53	4.98	-0.12	Buried			Buried		
1/13/2016	Abandoned			Abandoned			94.36	5.15	0.17	Buried			Buried		
12/8/2016	Abandoned			Abandoned				NM		Buried			Buried		
5/17/2018	Abandoned			Abandoned				NM		Buried			Buried		
8/20/2018	Abandoned			Abandoned				NM		Buried			Buried		
11/16/2018	Abandoned			Abandoned				NM		Buried			Buried		
2/15/2019	Abandoned			Abandoned				NM		Buried			Buried		
4/29/2019	Abandoned			Abandoned				NM		Buried			Buried		
7/18/2019	Abandoned			Abandoned				NM		Buried			Buried		
2/5/2020	Abandoned			Abandoned				NM		Buried			Buried		
7/14/2020	Abandoned			Abandoned				NM		Buried			Buried		
6/8/2023	Abandoned			Abandoned				NM		NM			NM		

TABLE 2: GROUNDWATER ELEVATION TABLE

Facility Name: Tropical Chevron **Facility ID#:** 64/8517300

All Measurements = Feet
No Data = Blank

WELL NO.	IW-16			MW-1RR			IW-17			IW-18			IW-19		
DIAMETER	2-inch			2-inch			2-inch			2-inch			2-inch		
WELL DEPTH (ft)	27.0			12.0			30.0			30.0			30.0		
SCREEN INTERVAL (ft)	22 to 27			2 to 12			20 to 30			20 to 30			20 to 30		
TOC ELEVATION (ft)	NS			99.22			97.92			98.11			99.66		
DATE	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**
4/7/2005		NI													
1/18/2006		NI													
1/10/2007		NI													
6/4/2007		NI													
12/19/2008		NI													
2/15-16/10		NI													
12/8/2010		NI													
12/10/2010		NI													
2/14/2012	NS	6.91													
3/28/2013 (Baseline)	NM	NM	NM												
5/9/2013	NM	NM	NM												
5/16/2013	NM	NM	NM												
5/23/2013	NM	NM	NM												
6/14/2013	NM	NM	NM												
7/23/2013	NM	NM	NM												
8/27/2013	NM	NM	NM												
9/9/2013	NM	NM	NM												
10/31/2013	NM	NM	NM												
11/14/2013	NM	NM	NM												
12/3/2013	NM	NM	NM												
1/2/2014	NM	NM	NM												
2/6/2014	NM	NM	NM												
3/11/2014	NM	NM	NM												
4/7/2014	NM	NM	NM												
5/13/2014	NM	NM	NM												
6/18/2014	NM	NM	NM												
7/17/2014	NM	NM	NM												
8/27/2014	NM	NM	NM												
9/19/2014	NM	NM	NM												

TABLE 2: GROUNDWATER ELEVATION TABLE

Facility Name: Tropical Chevron **Facility ID#:** 64/8517300

All Measurements = Feet
No Data = Blank

WELL NO.	IW-16			MW-1RR			IW-17			IW-18			IW-19		
DIAMETER	2-inch			2-inch			2-inch			2-inch			2-inch		
WELL DEPTH (ft)	27.0			12.0			30.0			30.0			30.0		
SCREEN INTERVAL (ft)	22 to 27			2 to 12			20 to 30			20 to 30			20 to 30		
TOC ELEVATION (ft)	NS			99.22			97.92			98.11			99.66		
DATE	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**
10/16/2014	NM	NM	NM												
11/13/2014	NM	NM	NM												
12/16/2014	NM	NM	NM												
1/19/2015	NM	NM	NM												
1/20/2015		NM			NM										
2/25/2015		NM			NM										
3/26/2015		NM			NM										
4/22/2015		NM			NM										
5/29/2015		NM			NM										
6/23/2015		NM			NM										
7/22/2015		NM			NM										
8/24/2015		NM			NM										
9/22/2015		NM			NM										
10/20/2015		NM			NM										
11/19/2015		NM			NM										
12/17/2015		NM			NM										
1/13/2016		NM			NM										
12/8/2016		NM			NM										
5/17/2018		NM			4.30										
8/20/2018		NM			4.13										
11/16/2018		NM		94.37	4.85										
2/15/2019		NM		95.13	4.09	0.76	Installed 4/28/19			Installed 4/28/19			Installed 4/28/19		
4/29/2019		7.07			NM		93.22	4.7		93.10	5.01		93.17	6.49	
7/18/2019		6.21	-0.86		NM		94.28	3.64	-1.06	94.23	3.88	-1.13	94.10	5.56	-0.93
2/5/2020		6.54	0.33		NM		93.96	3.96	0.32	93.77	4.34	0.46	93.75	5.91	0.35
7/14/2020		NM			NM			NM		94.40	3.71	-0.63	94.23	5.43	-0.48
6/8/2023		7.02	-0.48	93.77	5.45	-1.36	93.46	4.46	-0.50	93.19	4.92	-1.21	93.25	6.41	-0.98

Wells DW-3, DW-4, and DW-5 were cut and capped on 12/10/10. These wells will be relocated at a later date.

Wells DW-4 and DW-5 could not be relocated 2/9/12

TABLE 2: GROUNDWATER ELEVATION TABLE

Facility Name: Tropical Chevron **Facility ID#:** 64/8517300

All Measurements = Feet
No Data = Blank

WELL NO.	IW-20			IW-21			IW-22			IW-23			IW-24		
DIAMETER	2-inch			2-inch			2-inch			2-inch			2-inch		
WELL DEPTH (ft)	30.0			24.0			24.0			26.0			24.0		
SCREEN INTERVAL (ft)	20 to 30			14 to 24			14 to 24			16 to 26			14 to 24		
TOC ELEVATION (ft)	100.45			97.48			97.79			97.86			97.68		
DATE	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**
4/7/2005															
1/18/2006															
1/10/2007															
6/4/2007															
12/19/2008															
2/15-16/10															
12/8/2010															
12/10/2010															
2/14/2012															
3/28/2013 (Baseline)															
5/9/2013															
5/16/2013															
5/23/2013															
6/14/2013															
7/23/2013															
8/27/2013															
9/9/2013															
10/31/2013															
11/14/2013															
12/3/2013															
1/2/2014															
2/6/2014															
3/11/2014															
4/7/2014															
5/13/2014															
6/18/2014															
7/17/2014															
8/27/2014															
9/19/2014															

TABLE 2: GROUNDWATER ELEVATION TABLE

Facility Name: Tropical Chevron **Facility ID#:** 64/8517300

All Measurements = Feet
No Data = Blank

WELL NO.	IW-20			IW-21			IW-22			IW-23			IW-24		
DIAMETER	2-inch			2-inch			2-inch			2-inch			2-inch		
WELL DEPTH (ft)	30.0			24.0			24.0			26.0			24.0		
SCREEN INTERVAL (ft)	20 to 30			14 to 24			14 to 24			16 to 26			14 to 24		
TOC ELEVATION (ft)	100.45			97.48			97.79			97.86			97.68		
DATE	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**
10/16/2014															
11/13/2014															
12/16/2014															
1/19/2015															
1/20/2015															
2/25/2015															
3/26/2015															
4/22/2015															
5/29/2015															
6/23/2015															
7/22/2015															
8/24/2015															
9/22/2015															
10/20/2015															
11/19/2015															
12/17/2015															
1/13/2016															
12/8/2016															
5/17/2018															
8/20/2018															
11/16/2018															
2/15/2019	Installed 4/28/19														
4/29/2019	93.09	7.36													
7/18/2019	94.06	6.39	-0.97												
2/5/2020	93.69	6.76	0.37	Installed 7/7/2020			Installed 7/7/2020			Installed 7/7/2020			Installed 7/6/2020		
7/14/2020	94.20	6.25	-0.51	94.07	3.41		94.01	3.78		93.89	3.97		94.54	3.14	
6/8/2023	93.22	7.23	-0.98	93.07	4.41	-1.00	93.00	4.79	-1.01	92.99	4.87	-0.90	93.25	4.43	-1.29

TABLE 2: GROUNDWATER ELEVATION TABLE

Facility Name: Tropical Chevron **Facility ID#:** 64/8517300

All Measurements = Feet
No Data = Blank

WELL NO.	IW-25			IW-26			IW-27			IW-28			IW-29		
DIAMETER	2-inch			2-inch			2-inch			2-inch			2-inch		
WELL DEPTH (ft)	25.0			28.0			30.0			30.0			30.0		
SCREEN INTERVAL (ft)	15 to 25			18 to 28			20 to 30			20 to 30			20 to 30		
TOC ELEVATION (ft)	98.07			99.29			97.50			96.23			96.74		
DATE	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**
4/7/2005															
1/18/2006															
1/10/2007															
6/4/2007															
12/19/2008															
2/15-16/10															
12/8/2010															
12/10/2010															
2/14/2012															
3/28/2013 (Baseline)															
5/9/2013															
5/16/2013															
5/23/2013															
6/14/2013															
7/23/2013															
8/27/2013															
9/9/2013															
10/31/2013															
11/14/2013															
12/3/2013															
1/2/2014															
2/6/2014															
3/11/2014															
4/7/2014															
5/13/2014															
6/18/2014															
7/17/2014															
8/27/2014															
9/19/2014															

TABLE 2: GROUNDWATER ELEVATION TABLE

Facility Name: Tropical Chevron **Facility ID#:** 64/8517300

All Measurements = Feet
No Data = Blank

WELL NO.	IW-25			IW-26			IW-27			IW-28			IW-29		
DIAMETER	2-inch			2-inch			2-inch			2-inch			2-inch		
WELL DEPTH (ft)	25.0			28.0			30.0			30.0			30.0		
SCREEN INTERVAL (ft)	15 to 25			18 to 28			20 to 30			20 to 30			20 to 30		
TOC ELEVATION (ft)	98.07			99.29			97.50			96.23			96.74		
DATE	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**	**ELEV**	**DTW**	**Diff**
10/16/2014															
11/13/2014															
12/16/2014															
1/19/2015															
1/20/2015															
2/25/2015															
3/26/2015															
4/22/2015															
5/29/2015															
6/23/2015															
7/22/2015															
8/24/2015															
9/22/2015															
10/20/2015															
11/19/2015															
12/17/2015															
1/13/2016															
12/8/2016															
5/17/2018															
8/20/2018															
11/16/2018															
2/15/2019															
4/29/2019															
7/18/2019															
2/5/2020	Installed 7/6/2020			Installed 7/6/2020											
7/14/2020	94.38	3.69		94.24	5.05		Installed 6/1/23			Installed 6/1/23			Installed 6/1/23		
6/8/2023	93.32	4.75	-1.06	93.46	5.83	-0.78	93.11	4.39		92.48	3.75		92.53	4.21	

TABLE 3A: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY

Facility Name: Tropical Chevron **Facility ID#: 648517300**

B= Base Line
K= Key Well

Location	Screen Int.	Date	DTW	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total VOA	MTBE	EDB	Total Lead	Naptha-lene	Methyl nap, 1	Methyl nap, 2	TRPH
NADC GCTLs				100 1	400 40	300 30	200 20	NA NA	200 20	2 0.02	150 15	140 14	280 28	280 28	50000 5000
CW-1	5-16	09/17/91	6.04	4600	16000	1900	17000	39500	10000 U	NS	NS	NR	NR	NR	NS
		04/23/92	NM	3400	18000	3000	17000	41400	10000 U	0.02 U	1.0 U	NR	NR	NR	6000
		03/14/94	6.38	4400	NR	NR	NR	35900	500 U	0.03	3.0 U	NR	NR	NR	9000
		04/07/05	5.62	110	460	1150	4940	6660	20 U	NS	NS	204	88	138	18000
		01/11/07	6.01	370	560	1000	5500	7430	51 U	NS	NS	190	65	130	31000
CW-2	5-15	09/17/91	5.81	7.9	5.3	1.1	12	36.2	10 U	NS	NS	NR	NR	NR	NS
		03/14/94	6.14	26	NR	NR	NR	33	17	NS	NS	NR	NR	NR	NS
		04/07/05	5.40	170	18	100	11	299	39	NS	NS	35	16	33	850
CW-3	5-15	09/17/91	5.74	1.7	5.4	1.0 U	5	12.1	10 U	NS	NS	NR	NR	NR	NS
		03/14/94	6.06	16	NR	NR	NR	16	17	NS	NS	NR	NR	NR	NS
		04/07/05	5.35	910	20	830	21	1781	19	NS	NS	347	90	189	4300
		01/11/07	5.67	69	1.4 U	270	18.7	357.7	7.4 (I)	NS	NS	220	51	110	4900
CW-4	5-16	09/17/91	6.32	1.2	3.8	1.0 U	4	9	10 U	NS	NS	NR	NR	NR	NS
		03/14/94	6.66	1.0 U	NR	NR	NR	NCD	<5	NS	NS	NR	NR	NR	NS
		04/07/05	5.93	1.6	1.0 U	1.0 U	3.0 U	1.6	1.0 U	NS	NS	5.0 U	5.0 U	5.0 U	5000 U
Private Well #1	--	09/17/91	NM	2.1	1.0 U	1.0 U	1.0 U	2.1	5.0 U	NS	NS	NR	NR	NR	NS
		04/23/92	NM	1.0 U	1.0 U	1.0 U	1.0 U	NCD	1.0 U	0.02 U	0.005 U	NR	NR	NR	5000 U
		03/14/94	NM	1.0 U	NR	NR	NR	NCD	5.0 U	NS	NS	NR	NR	NR	NS
		05/24/05	NM	0.37 U	0.68 U	0.54 U	0.57 U	NCD	0.54 U	NS	NS	NS	NS	NS	NS
		01/10/07	NM	0.14 U	0.29 U	0.10 U	0.12 U	NCD	0.51 U	NS	NS	0.067 (I)	0.044 U	0.077 U	NS
MW-5	5-20	09/17/91	5.93	3.5	1.0 U	1.0 U	1.0 U	3.5	1.0 U	NS	NS	NR	NR	NR	NS
		04/23/92	NM	3000	1.0 U	550	750	4300	1.0 U	0.02 U	0.012	NR	NR	NR	5000 U
		03/14/94	6.28	41	NR	NR	NR	56	5.0 U	NS	NS	NR	NR	NR	NS
				Well Abandoned											
MW-6	5-20	06/13/91	4.66	21000	34000	4200	21000	80200	1.0 U	0.02 U	NS	NR	NR	NR	NS
		12/03/91	NM	14000	18000	2500	11000	45500	1.0 U	NS	NS	NR	NR	NR	NS
		04/23/92	NM	13000	12000	3100	13000	41100	1.0 U	0.13	0.031	NR	NR	NR	4000
		03/14/94		Free Product											
				Well Abandoned											
MW-7	5-20	06/13/91	4.88	1.0 U	1.0 U	1.0 U	1.0 U	NCD	1.0 U	NS	NS	NR	NR	NR	NS
		12/03/91	5.88	1.0 U	1.0 U	1.0 U	1.0 U	NCD	1.0 U	NS	NS	NR	NR	NR	NS
		03/14/94	8.96	1.0 U	NR	NR	NR	NCD	5.0 U	NS	NS	NR	NR	NR	NS
				Well Abandoned											
MW-8	5-20	06/13/91	4.56	1.0 U	1.0 U	1.0 U	1.0 U	NCD	1.0 U	NS	NS	NR	NR	NR	NS
		12/03/91	6.34	1.0 U	1.0 U	1.0 U	1.0 U	NCD	1.0 U	NS	NS	NR	NR	NR	NS
		03/14/94	6.40	1.0 U	NR	NR	NR	NCD	5.0 U	NS	NS	NR	NR	NR	NS
				Well Abandoned											

TABLE 3A: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY

Facility Name: Tropical Chevron **Facility ID#: 648517300**

B= Base Line
K= Key Well

Location	Screen Int.	Date	DTW	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total VOA	MTBE	EDB	Total Lead	Naptha-lene	Methyl nap, 1	Methyl nap, 2	TRPH
NADC GCTLs				100 1	400 40	300 30	200 20	NA NA	200 20	2 0.02	150 15	140 14	280 28	280 28	50000 5000
MW-9	2-17	06/13/91	3.91	27	40	9.6	49	126	1.0 U	NS	NS	NR	NR	NR	NS
		03/14/94	4.36	1.0 U	NR	NR	NR	4	5.0 U	NS	NS	NR	NR	NR	NS
				Well Abandoned											
MW-10	1.5-16.5	09/17/91	3.48	40	10	8.9	20	99.9	21	NS	340	NR	NR	NR	NS
		04/23/92	NM	1.0 U	1.0 U	1.0 U	1.0 U	NCD	1.0 U	0.02 U	0.005 U	NR	NR	NR	5.0 U
		03/14/94	3.36	1.0 U	NR	NR	NR	NCD	5.0 U	NS	NS	NR	NR	NR	NS
				Well Abandoned											
MW-11	3-18	09/17/91	5.90	51	11	<1	410	472	510	NS	25	NR	NR	NR	NS
		04/23/92	NM	69	6	45	66	186	5.0 U	0.02 U	0.023	NR	NR	NR	5000 U
		03/14/94	6.24	75	NR	NR	NR	300	35	NS	NS	NR	NR	NR	NS
				Well Abandoned											
MW-12	4-19	12/03/91	6.01	1.0 U	1.0 U	1.0 U	1.0 U	NCD	1.0 U	NS	NS	NR	NR	NR	NS
		03/14/94	9.20	1.0 U	NR	NR	NR	NCD	5.0 U	NS	NS	NR	NR	NR	NS
				Well Abandoned											
MW-13	4-19	12/03/91	2.52	1600	1.0 U	1.0 U	180	1780	1000	NS	NS	NR	NR	NR	NS
		04/23/92	NM	940	8	37	160	1145	1300	0.02 U	0.01	NR	NR	NR	5000 U
		03/14/94	2.60	1600	NR	NR	NR	2250	83	NS	NS	NR	NR	NR	NS
				Well Abandoned											
MW-14	2-12	03/14/94	3.21	1.0 U	NR	NR	NR	NCD	5.0 U	0.02 U	5	NR	NR	NR	1000 U
				Well Abandoned											
PZ-1	--	09/17/91	NM	700	200	22	17	939	1.0 U	NS	1.0 U	NR	NR	NR	NS
		03/14/94	NM	800	NR	NR	NR	1079	50 U	NS	NS	NR	NR	NR	NS
				Well Abandoned											
PZ-2	--	12/03/91	NM	86	85	69	360	600	18	NS	NS	NS	NS	NS	NS
		03/14/94	NM	150	NR	NR	NR	171	36	0.02 U	22	NR	NR	NR	1000 U
				Well Abandoned											
PZ-3	--	12/23/91	NM	1.0 U	1.0 U	1.0 U	1.0 U	NCD	1.0 U	NS	NS	NS	NS	NS	NS
		04/23/92	NM	2	1.0 U	1.0 U	1.0 U	2	5.0 U	0.02 U	0.14	NR	NR	NR	5000 U
		03/14/94	NM	1.0 U	NR	NR	NR	NCD	8	NS	NS	NR	NR	NR	NS
				Well Abandoned											

TABLE 3A: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY

Facility Name: Tropical Chevron **Facility ID#: 648517300**

B= Base Line K= Key Well			NADC GCTLs	100 1	400 40	300 30	200 20	NA NA	200 20	2 0.02	150 15	140 14	280 28	280 28	50000 5000
Location	**Screen Int.**	**Date**	**DTW**	**Benzene**	**Toluene**	**Ethyl Benzene**	**Total Xylenes**	**Total VOA**	**MTBE**	**EDB**	**Total Lead**	**Naptha-lene**	**Methyl nap, 1**	**Methyl nap, 2**	**TRPH**
2005-2023 Data															
MW-1R	3-13	04/07/05	4.71	44	6.6	1760	1097.6	2908.2	1.0 U	NS	NS	1038	188	423	11000
		01/11/07	5.14	36 (I)	14.0 U	2000	200	2236	26.0 U	NS	NS	490	110	200	16000
		04/09/09	4.45	36.4	35.5	1400	47.9 I	1519.8	93.1 I	NS	NS	334	102	181	9640
		02/14/12	4.75	5.39	3.07	1380	7.49	1395.95	0.4 U	NS	NS	555	242	424	NS
	baseline	03/28/13	5.66	5.1	2.7	1150	0.50 U	1158.3	0.50 U	NS	NS	590	217	421	8900
		07/23/13	4.31	0.57 I	0.50 U	175	0.50 U	175.6	0.50 U	NS	NS	4.4	66.2	2.3	3700
		01/02/14	4.89	0.18 I	0.50 U	14.1	0.50 U	14.28	0.50 U	NS	NS	11.6	7.8	8.9	500
		04/07/14	4.49	0.20 I	0.50 U	28.6	0.50 U	28.8	0.50 U	NS	NS	1.0 U	1.0 U	1.0 U	700
		07/17/14	3.46	0.60 I	0.67 I	152	0.50 U	153.27	0.50 U	NS	NS	159	61.2	76.2	3800
		10/16/14	3.12	0.10 U	0.50 U	2.0	0.50 U	2.0	0.50 U	NS	NS	1.0 U	1.0 U	1.0 U	800
		01/20/15	3.74	0.10 U	0.50 U	40.6	0.50 U	40.6	0.50 U	NS	NS	36.2	18.5	21.7	1000
		04/22/15	4.73	0.10 U	0.50 U	7.4	0.50 U	7.4	0.50 U	NS	NS	1.0 U	1.0 U	1.0 U	3200
		07/29/15	4.69	0.17 I	0.50 U	60.2	0.50 U	60.37	0.50 U	NS	NS	178	74.1	92.9	2100
		10/21/15	4.56	0.10 U	1.4	302	0.50 U	303.40	0.50 U	NS	NS	456	250	418	5100
		01/13/16	4.81	0.68 I	1.3	360	0.50 U	361.98	0.50 U	NS	NS	353	199	332	4700
		12/08/16	5.09	0.16 U	1.38	323	0.73 I	325.11	0.18 U	NS	NS	NS	NS	NS	NS
				Well Abandoned											
MW-1RR	2-12	2/14/18	4.99	0.34 I	1.3	4.0	1.0 U	5.64	0.50 U	NS	NS	12.4	41.4	66.9	2000
		05/17/18	4.30	0.34 I	0.50 U	12.2	1.5 U	12.5	0.50 U	NS	NS	5.3	20.2	21.5	1300
		08/20/18	3.39	0.23 I	0.50 U	6.8	1.5 U	7	0.50 U	NS	NS	4.9	15.3	14.9	860 I
		11/16/18	4.85	0.24 I	0.50 U	6.5	1.5 U	6.74	0.50 U	NS	NS	4.2	17.2	23.5	1900
		02/15/19	4.09	0.30 U	0.33 U	7.3	2.1 U	7.3	0.51 U	NS	NS	7.9	17.6	19.1	910 I
		06/08/23	5.45	0.30 U	0.33 U	1.0	2.1 U	1.0	1.2 U	NS	NS	4.9	24.2	41.4	1300
MW-2R	3-13	04/06/05	3.95	1.0 U	1.0 U	1.0 U	3.0 U	NCD	1.0 U	NS	NS	5.0 U	5.0 U	5.0 U	500 U
		01/10/07	4.03	0.14 U	0.29 U	0.10 U	0.12 U	NCD	0.51 U	NS	NS	0.023 U	0.044 U	0.077 U	280 I
		04/09/09	2.93	0.17 U	0.21 U	0.181 I	0.55 U	0.181	0.20 U	NS	NS	NS	NS	NS	NS
		12/08/16	4.49	0.16 U	0.14 U	0.19 U	0.2 U	NCD	0.18 U	NS	NS	NS	NS	NS	NS
		05/17/18	2.01	0.10 U	0.50 U	0.50 U	1.5 U	NCD	0.50 U	NS	NS	0.048 U	0.032 U	0.11 U	NS
		08/20/18	2.89	0.10 U	0.50 U	0.50 U	1.5 U	NCD	0.50 U	NS	NS	0.048 U	0.032 U	0.11 U	NS
		11/16/18	4.19	0.10 U	0.50 U	0.50 U	1.5 U	NCD	0.50 U	NS	NS	0.29 U	0.34 I	0.68 U	NS
		02/15/19	2.77	0.30 U	0.33 U	0.30 U	2.1 U	NCD	0.51 U	NS	NS	0.043 U	0.041 U	0.038 U	NS

TABLE 3A: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY

Facility Name: Tropical Chevron **Facility ID#: 648517300**

B= Base Line
K= Key Well

Location	Screen Int.	Date	DTW	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total VOA	MTBE	EDB	Total Lead	Naptha-lene	Methyl nap, 1	Methyl nap, 2	TRPH
NADC GCTLs				100 1	400 40	300 30	200 20	NA NA	200 20	2 0.02	150 15	140 14	280 28	280 28	50000 5000
MW-3R	3-13	04/07/05	4.17	1.0 U	1.0 U	1.0 U	3.0 U	NCD	1.0 U	NS	NS	5.0 U	5.0 U	5.0 U	500 U
		01/10/07	4.49	0.14 U	0.29 U	0.10 U	0.12 U	NCD	0.51 U	NS	NS	0.023 U	0.044 U	0.077 U	NS
		04/09/09	3.53	**17.2**	0.365 I	0.731 I	**61.4**	79.69	5.73	NS	NS	NS	NS	NS	NS
		02/15/10	2.71	0.194 I	0.205 U	0.173 U	0.171 U	0.194	0.196 U	NS	NS	0.17 I	0.045 I	0.054 I	NS
	baseline	03/28/13	4.84	0.10 U	0.50 U	0.70 I	0.50 U	0.70	0.50 U	NS	NS	NS	NS	NS	NS
		07/24/13	2.73	0.10 U	0.50 U	0.50 U	1.0	1.00	0.50 U	NS	NS	NS	NS	NS	NS
		01/02/14	3.68	**14.5**	0.50 U	2.5	1.1	18.10	0.50 U	NS	NS	NS	NS	NS	NS
		04/07/14	2.92	**5.8**	0.50 U	1.5	0.99 I	8.29	0.50 U	NS	NS	NS	NS	NS	NS
		07/17/14	1.13	**2.0**	0.50 U	0.50 U	0.50 U	2	0.50 U	NS	NS	NS	NS	NS	NS
		10/16/14	2.14	0.16 I	0.50 U	0.50 U	0.50 U	0.16	0.50 U	NS	NS	NS	NS	NS	NS
		01/20/15	2.37	0.10 U	0.50 U	0.50 U	0.50 U	NCD	0.50 U	NS	NS	NS	NS	NS	NS
		04/22/15	2.25	0.10 U	0.50 U	0.50 U	0.50 U	NCD	0.50 U	NS	NS	NS	NS	NS	NS
		07/29/15	3.93	0.10 U	0.50 U	0.50 U	0.50 U	NCD	0.50 U	NS	NS	NS	NS	NS	NS
		10/21/15	3.58	0.10 U	0.50 U	0.50 U	0.50 U	NCD	0.50 U	NS	NS	NS	NS	NS	NS
		01/13/16	4.00	0.10 U	0.50 U	0.50 U	0.50 U	NCD	0.50 U	NS	NS	NS	NS	NS	NS
		06/08/23	4.67	0.30 U	0.33 U	0.30 U	2.1 U	NCD	1.2 U	NS	NS	NS	NS	NS	NS
MW-4R	3-13	04/06/05	4.70	1.0 U	1.0 U	1.0 U	3.0 U	NCD	1.0 U	NS	NS	5.0 U	5.0 U	5.0 U	500 U
		01/10/07	4.76	0.14 U	0.29 U	0.10 U	0.12 U	NCD	**73**	NS	NS	0.023 U	0.044 U	0.077 U	NS
		04/09/09	4.15	0.17 U	0.272 I	0.597 I	0.55 U	0.869	9.19	NS	NS	NS	NS	NS	NS
		05/17/18	3.64	0.10 U	0.50 U	0.50 U	1.5 U	NCD	0.50 U	NS	NS	0.048 U	0.032 U	0.11 U	NS
		08/20/18	3.64	0.10 U	0.50 U	0.50 U	1.5 U	NCD	0.50 U	NS	NS	0.048 U	0.032 U	0.11 U	NS
		11/16/18	4.45	0.10 U	0.50 U	0.50 U	1.5 U	NCD	0.50 U	NS	NS	0.29 U	0.21 I	0.68 U	NS
		02/15/19	3.47	0.30 U	0.33 U	0.30 U	2.1 U	NCD	0.51 U	NS	NS	0.044 U	0.041 U	0.039 U	NS
		06/08/23	5.08	0.30 U	0.33 U	0.30 U	2.1 U	NCD	1.2 U	NS	NS	NS	NS	NS	NS
MW-5R	3-13	04/06/05	3.90	**3.9**	1.0 U	6.9	3.0 U	10.8	1.0 U	NS	NS	5.0 U	5.0 U	5.0 U	500 U
		05/17/06	5.59	**110**	0.54	26	3.87	140.41	**23**	NS	NS	3.2	1.4	1.9	NS
		04/09/09	3.34	0.734 I	0.467 I	0.334 I	1.49 I	3.025 I	0.20 U	NS	NS	NS	NS	NS	NS
		02/15/10	3.14	0.173 U	0.205 U	0.173 U	0.171 U	NCD	0.196 U	NS	NS	0.034 U	0.026 U	0.03 U	NS
		10/16/14	4.25	0.10 U	0.50 U	0.50 U	0.50 U	NCD	0.50 U	NS	NS	1.0 U	1.0 U	1.0 U	NS
		01/20/15	2.54	0.10 U	0.50 U	0.50 U	0.50 U	NCD	0.50 U	NS	NS	1.0 U	1.0 U	1.0 U	NS
		06/08/23	4.31	0.30 U	0.33 U	0.30 U	2.1 U	NCD	1.2 U	NS	NS	NS	NS	NS	NS

TABLE 3A: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY

Facility Name: Tropical Chevron **Facility ID#: 648517300**

B= Base Line
K= Key Well

Location	Screen Int.	Date	DTW	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total VOA	MTBE	EDB	Total Lead	Naptha-lene	Methyl nap, 1	Methyl nap, 2	TRPH
NADC GCTLs				100 1	400 40	300 30	200 20	NA NA	200 20	2 0.02	150 15	140 14	280 28	280 28	50000 5000
MW-6R	3-13	04/06/05	5.53	1.0 U	1.0 U	1.0 U	3.0 U	NCD	1.0 U	NS	NS	5.0 U	5.0 U	5.0 U	500 U
		01/10/07	5.81	0.14 U	0.29 U	0.10 U	0.12 U	NCD	0.51 U	NS	NS	0.023 U	0.044 U	0.077 U	NS
		04/09/09	4.88	0.17 U	0.21 U	0.17 U	0.56 I	0.56 I	4.17 I	NS	NS	NS	NS	NS	NS
	baseline	03/28/13	6.25	0.59 I	0.50 U	3.5	0.50 U	4.09	1.6	NS	NS	NS	NS	NS	NS
		07/23/13	1.90	1.4	0.56 I	6.5	2.2	10.66	7.1	NS	NS	NS	NS	NS	NS
		01/02/14	5.87	0.10 U	0.50 U	0.50 U	0.50 U	NCD	1.3	NS	NS	NS	NS	NS	NS
		04/07/14	5.63	0.10 U	0.50 U	0.50 U	0.50 U	NCD	0.50 U	NS	NS	NS	NS	NS	NS
		07/17/14	4.24	0.10 U	0.50 U	0.50 U	0.50 U	NCD	0.50 U	NS	NS	NS	NS	NS	NS
		10/16/14	4.25	0.10 U	0.50 U	0.50 U	0.50 U	NCD	0.50 U	NS	NS	NS	NS	NS	NS
		01/20/15	4.56	0.10 U	0.50 U	0.50 U	0.50 U	NCD	0.50 U	NS	NS	NS	NS	NS	NS
		04/22/15	4.61	0.10 U	0.50 U	0.50 U	0.50 U	NCD	0.50 U	NS	NS	NS	NS	NS	NS
		07/29/15	5.59	0.10 U	0.50 U	0.50 U	0.50 U	NCD	0.50 U	NS	NS	NS	NS	NS	NS
		10/21/15	5.48	0.10 U	0.50 U	0.50 U	0.50 U	NCD	0.50 U	NS	NS	NS	NS	NS	NS
		01/13/16	5.64	0.10 U	0.50 U	0.50 U	0.50 U	NCD	0.50 U	NS	NS	NS	NS	NS	NS
		06/08/23	6.03	0.30 U	0.33 U	0.30 U	2.1 U	NCD	1.2 U	NS	NS	NS	NS	NS	NS
MW-7R	3-13	04/06/05	5.48	1.0 U	1.0 U	1.0 U	3.0 U	NCD	1.0 U	NS	NS	5.0 U	5.0 U	5.0 U	500 U
MW-8R	2-12	04/07/05	2.08	1.0 U	1.0 U	1.0 U	3.0 U	NCD	1.0 U	NS	NS	5.0 U	5.0 U	5.0 U	500 U
		05/17/06	3.91	750	22	48.0	420	1240	4.5	NS	NS	0.094	0.044 U	0.077 U	NS
		01/11/07	2.56	440	4.5 (I)	14	530	988.5	43 (I)	NS	NS	13	0.15 (I)	0.19 (I)	NS
		02/15/10	1.23	151	2.75	6.68	25.6	186.03	14.6	NS	NS	45.7	10.3	4.96	NS
		02/14/12	2.01	0.4 U	0.4 U	0.4 U	0.8 U	NCD	0.4 U	NS	NS	0.272	0.05 U	0.107	NS
		04/03/13	2.91	1.6	0.50 U	1.7	14	17.3	0.50 U	NS	NS	135	14.2	12.2	NS
		07/24/13	2.47	1.1	0.50 U	0.98 I	0.50 U	2.08	0.50 U	NS	NS	158	20.8	14.7	NS
		01/02/14	2.04	4.1	0.50 U	1.1	0.77 I	5.97	0.50 U	NS	NS	67.7	9.8	6.7	NS
		04/07/14	1.64	9.7	0.50 U	1.4	2.6	13.7	0.50 U	NS	NS	83.4	16.8	16.6	NS
		04/22/15	1.03	8.8	0.50 U	0.50 U	0.89 I	9.69	0.50 U	NS	NS	14.7	1.8 I	1.0 U	NS
		07/29/15	2.01	0.37 I	0.50 U	0.50 U	0.50 U	0.37	0.50 U	NS	NS	22.6	1.5 I	1.0 U	NS
		10/21/15	1.83	0.10 U	0.50 U	0.50 U	0.50 U	NCD	0.50 U	NS	NS	16.3	1.0 U	1.0 U	NS
		01/13/16	1.95	0.10 U	0.50 U	0.50 U	0.50 U	NCD	0.50 U	NS	NS	11.2	1.0 U	1.0 U	NS
MW-9R	2-12	05/24/05	NM	0.62 U	0.68 U	0.54 U	0.57 U	NCD	0.54 U	NS	NS	0.13 U	0.12 U	0.10 U	64 U
		05/17/06	3.66	2.2	0.28	5.7	8.3	16.48	0.31	NS	NS	5.0	0.92	1.1	NS
		03/08/07	2.33	0.31	0.09 U	0.1	0.13 U	0.41	0.34	NS	NS	0.32	0.046	0.098 U	NS
		04/09/09	1.41	0.17 U	0.21 U	0.17 U	0.55 U	NCD	0.20 U	NS	NS	NS	NS	NS	NS
		06/08/23	2.34	0.30 U	0.33 U	0.30 U	2.1 U	NCD	1.3 I	NS	NS	NS	NS	NS	NS
MW-10R	2-12	01/18/06	3.03	7.8	2.7 U	48	9.6	65.4	4.0 U	NS	NS	140	33	48	NS
		05/17/06	4.40	22	0.094	110	30.2	162.29	3.8	NS	NS	0.023 U	0.044 U	0.077 U	NS
		03/08/07	3.10	370	3.9	110	46.1	530	23	NS	NS	45	14	21	NS
		04/09/09	2.08	0.206 I	<0.21	0.272 I	0.55 U	0.478	0.20 U	NS	NS	0.682 I	0.301 I	0.436 I	NS
		02/15/10	1.69	0.173 U	0.205 U	0.173 U	0.171 U	NCD	0.208 I	NS	NS	0.075 I	0.042 I	0.03 U	NS

TABLE 3A: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY

Facility Name: Tropical Chevron **Facility ID#: 648517300**

B= Base Line K= Key Well			NADC GCTLs	100 1	400 40	300 30	200 20	NA NA	200 20	2 0.02	150 15	140 14	280 28	280 28	50000 5000
Location	**Screen Int.**	**Date**	**DTW**	**Benzene**	**Toluene**	**Ethyl Benzene**	**Total Xylenes**	**Total VOA**	**MTBE**	**EDB**	**Total Lead**	**Naptha-lene**	**Methyl nap, 1**	**Methyl nap, 2**	**TRPH**
MW-11R	2-12	01/10/07	6.32	0.33 (I)	0.29 U	0.10 U	2.28	2.61	0.51 U	NS	NS	0.42 (I)	0.044 U	0.077 U	NS
		04/09/09	5.39	212	1.71	4.69	72.0	290.4	16.9	NS	NS	NS	NS	NS	NS
		02/15/10	3.97	0.79 I	0.581 I	0.431 I	6.08	7.88	0.196 U	NS	NS	1.67	0.05 I	0.075 I	NS
				Well Abandoned											
MW-12R	2-12	01/11/07	5.94	0.14 U	0.29 U	0.35I	4.88	5.23	0.51 U	NS	NS	1.4	0.19 (I)	0.32 (I)	NS
		04/09/09	4.93	0.194 I	0.468 I	0.17 U	0.55 U	0.662	3.97 I	NS	NS	NS	NS	NS	NS
				Well Abandoned											
MW-13R	2-12	01/10/07	5.82	0.14 U	0.29 U	0.10 U	1.9	1.9	0.51 U	NS	NS	0.050 (I)	0.044 U	0.077 U	NS
				Well Abandoned											
MW-14R	2-12	12/19/08	6.01	155	2.92 I	31.3	96.7	285.92	38.9	NS	NS	48.7	2.32	2.1	NS
		02/15/10	4.09	0.173	0.205 U	0.173 U	0.392	0.565	0.196 U	NS	NS	0.634 I	0.108 I	0.106 I	NS
				Well Abandoned											
MW-15	2-12	02/16/10	5.03	1.4	0.205 U	0.306 I	3.55	5.256	0.196 U	NS	NS	0.902 I	0.684 I	1.02	NS
				Well Abandoned											
MW-16	2-12	02/16/10	4.20	0.361 I	0.205 U	0.173 U	0.171 U	0.361	0.196 U	NS	NS	0.069 I	0.037 I	0.03 U	NS
				Well Abandoned											
MW-17	2-12	02/16/10	4.10	0.173 U	0.205 U	0.173 U	0.171 U	NCD	0.196 U	NS	NS	0.034 U	0.026 U	0.03 U	NS
				Well Abandoned											
IW-1	20-25	01/18/06	NM	140	5.5	150	42	337.5	8.0 U	NS	NS	580	78	140	NS
		05/17/06	7.46	26	89	39	3.7	157.7	1.1	NS	NS	0.023 U	0.044 U	0.077 U	NS
		04/09/09	5.05	20.5	0.940 I	3.84	8.55	33.83	23.1	NS	NS	61.7	25.0	42.5	NS
		02/14/12	5.41	7.62	1.28	76.6	9.26	94.76	0.4 U	NS	NS	391	140.0	238	NS
	baseline	03/28/13	6.32	3.5	0.50 U	11	0.50 U	14.5	31.8	NS	NS	36.6	83.7	132	NS
		07/23/13	5.54	21	1.5	25	8.1	55.6	8.3	NS	NS	87.5	51.5	69.3	NS
		01/02/14	6.24	40.3	1.7	23.5	14.1	79.6	1.2	NS	NS	45.6	33.0	43	NS
		04/07/14	5.66	34.5	1.5	23	16.9	75.9	0.50 U	NS	NS	41.7	40.0	49.3	NS
		07/17/14	4.05	28.3	0.50 U	8.7	0.50 U	37	2.5	NS	NS	22.5	27.0	12.7	NS
		10/16/14	3.94	15.7	0.50 U	2.3	0.54 I	18.54	1.8	NS	NS	1.0 U	1.1 I	1.0 U	NS
		01/20/15	4.63	4.3	0.50 U	3.2	0.50 U	7.5	0.50 U	NS	NS	1.0 U	1.0 U	1.0 U	NS
		04/22/15	4.38	8.9	0.50 U	3.2	5.1	17.2	2.5	NS	NS	3	1.2 I	1.0 U	NS
		07/29/15	5.45	1.9	0.50 U	4.7	3.5	10.1	1.8	NS	NS	12.4	2.7	1.7 I	NS
		10/21/15	5.34	0.10 U	0.50 U	0.50 U	0.50 U	NCD	1.1	NS	NS	1.0 U	1.0 U	1.0 U	NS
		01/13/16	5.58	0.10 U	0.50 U	0.50 U	0.50 U	NCD	0.58 I	NS	NS	1.0 U	1.0 U	1.0 U	NS
	Pre-Pilot	04/29/19	5.87	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Post-Pilot	07/18/19	4.51	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		02/05/20	5.28	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		06/08/23	5.83	0.30 U	0.35 I	7.5	2.1 U	7.9	1.2 U	NS	NS	2.9	7.9	16.9	NS

TABLE 3A: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY

Facility Name: Tropical Chevron **Facility ID#: 648517300**

B= Base Line K= Key Well			NADC GCTLs	100 1	400 40	300 30	200 20	NA NA	200 20	2 0.02	150 15	140 14	280 28	280 28	50000 5000
Location	**Screen Int.**	**Date**	**DTW**	**Benzene**	**Toluene**	**Ethyl Benzene**	**Total Xylenes**	**Total VOA**	**MTBE**	**EDB**	**Total Lead**	**Naptha-lene**	**Methyl nap, 1**	**Methyl nap, 2**	**TRPH**
IW-2	20-25	05/17/06	6.06	390	5.5	170	30	595.5	33	NS	NS	36	13	21	NS
		01/10/07	4.44	840	6.4 (I)	510	23.2	1379.6	68	NS	NS	110	43	81	7200
		04/09/09	4.18	3.16	1.76	2.58	1.15 I	8.65	4.26 I	NS	NS	5.87	4.59	0.598 I	259 I
		02/15/10	3.37	1.77	0.205 U	0.788 I	0.179	2.737	0.384 I	NS	NS	1.89	4.37	0.097 I	NS
		02/14/12	4.17	189	3.33	91.2	571	854.53	10.6	NS	NS	NS	NS	NS	NS
	baseline	03/28/13	4.97	1.5	0.71 I	11	0.50 U	13.21	0.50 U	NS	NS	NS	NS	NS	NS
		07/24/13	3.71	16.2	0.50 U	13.1	6.9	36.2	10.1	NS	NS	NS	NS	NS	NS
		01/02/14	14.75	8.6	0.51 I	6	4.2	19.31	26.1	NS	NS	NS	NS	NS	NS
		04/07/14	4.03	13.1	0.50 U	4.0	3.0	20.1	19.2	NS	NS	NS	NS	NS	NS
		07/17/14	3.23	15.1	0.50 U	2.9	0.61 I	18.61	25.4	NS	NS	NS	NS	NS	NS
		10/16/14	14.39	11.7	0.50 U	1.1	0.52 I	13.32	7.3	NS	NS	NS	NS	NS	NS
		01/20/15	3.15	6.6	0.50 U	0.69 I	0.50 U	7.29	0.62 I	NS	NS	NS	NS	NS	NS
		04/22/15	4.13	3.6	0.50 U	0.50 U	0.78 I	4.38	3.1	NS	NS	NS	NS	NS	NS
		07/29/15	4.35	8	0.50 U	0.50 U	0.50 U	8	1.8	NS	NS	NS	NS	NS	NS
		10/21/15	4.97	2.5	0.50 U	0.50 U	0.50 U	2.5	1.3	NS	NS	NS	NS	NS	NS
		01/13/16	4.51	0.74 I	0.50 U	0,50 U	0.50 U	0.74	0.53 I	NS	NS	NS	NS	NS	NS
		06/08/23	4.47	0.30 U	0.33 U	0.30 U	2.1 U	NCD	1.2 U	NS	NS	2.1	0.31 I	0.093 I	730 U
IW-3	20-25	01/11/07	5.95	150	3.6I	120	42.2	315.8	8.2I	NS	NS	80	9	13	NS
		04/09/09	5.33	0.29 I	0.21 U	0.215 I	0.55 U	0.505	0.20 U	NS	NS	0.223 I	0.115 I	0.0304 I	NS
				Well Abandoned											
IW-4	20-25	03/08/07	7.36	760	14	46	330	1150	59	NS	NS	260	40	65	NS
		12/19/08	6.88	585	2.01 I	22.2	11.5 I	620.71	63.7	NS	NS	197	50	85.8	NS
		02/15/10	6.04	164	0.205 U	3.24	7.19	174.43	2.4 I	NS	NS	149	66.4	104	NS
				Well Abandoned											
IW-5	20-25	03/08/07	7.04	0.32	0.22	0.1 U	0.16	0.70	0.31 U	NS	NS	0.14	0.032 U	0.098 U	NS
		04/09/09	6.17	3.72	0.21 U	1.77	20.8 I,J	26.29	0.20 U	NS	NS	NS	NS	NS	NS
				Well Abandoned											
IW-6	20-25	03/08/07	6.41	260	4.6	60	401	725.6	26	NS	NS	70	10	15	NS
		04/09/09	5.55	6.29	0.255 I	0.33 I	0.55 U	6.875	0.20 U	NS	NS	3.48	5.56	6.35	NS
		02/15/10	5.33	9.17	0.205 U	0.173 U	0.172	9.342	0.196 U	NS	NS	3.4	4.62	4.36	NS
				Well Abandoned											

TABLE 3A: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY

Facility Name: Tropical Chevron **Facility ID#: 648517300**

B= Base Line K= Key Well			NADC GCTLs	100 1	400 40	300 30	200 20	NA NA	200 20	2 0.02	150 15	140 14	280 28	280 28	50000 5000
Location	**Screen Int.**	**Date**	**DTW**	**Benzene**	**Toluene**	**Ethyl Benzene**	**Total Xylenes**	**Total VOA**	**MTBE**	**EDB**	**Total Lead**	**Naptha-lene**	**Methyl nap, 1**	**Methyl nap, 2**	**TRPH**
IW-7	20-25	12/19/08	3.99	**51.3**	1.12	1.83	4.48	58.7	6.47	NS	NS	**414**	**78**	**138**	NS
		02/15/10	3.17	**470**	3.75	9.22	9.15	492.1	**20.6**	NS	NS	**305**	**60.7**	**95.4**	NS
		02/14/12	3.81	**2.31**	0.4 U	3.85	0.83 I	7.0	0.4 U	NS	NS	**223**	**64.2**	**106**	NS
	baseline	03/28/13	4.87	**9.1**	0.50 U	7.6	0.61 I	17.3	2.5	NS	NS	**42.4**	**33.7**	20.8	NS
		07/24/13	3.21	**91.7**	4.0	24.9	**95.5**	216.1	4.7	NS	NS	**124**	**40.1**	**31.7**	NS
		01/02/14	4.13	**198**	10.7	**49.6**	**250**	508.3	5.6	NS	NS	**79.1**	25.9	23	NS
		04/07/14	3.78	**162**	8.6	**52.2**	**230**	452.8	1.3	NS	NS	**86.7**	**31.7**	**30.4**	NS
		07/17/14	2.70	**122**	4.8	**34.7**	**199**	360.5	1.3	NS	NS	**52.6**	18.5	15.4	NS
		10/16/14	7.61	**192**	6.3	**44.6**	**238**	480.9	2.4	NS	NS	9.5	4.9	1.4 I	NS
		01/20/15	2.98	**160**	4.3	**38**	**126**	328.3	0.50 U	NS	NS	**37**	9	6.1	NS
		04/22/15	2.95	**112**	3.0	21.9	**66.2**	203.1	6.1	NS	NS	**56.2**	7.1	3.2	NS
		07/29/15	3.91	**104**	1.6	16.8	**62.1**	184.5	4	NS	NS	1.0 U	1.0 U	1.0 U	NS
		10/21/15	3.92	**94**	2.5	22.6	**172**	291.1	3	NS	NS	**41.8**	9.9	7.7	NS
		01/13/16	4.06	**62**	0.70 I	10.2	**65.2**	138.1	1.3	NS	NS	**19.3**	6.4	5.9	NS
		12/08/16	4.39	**4.24**	0.14 U	0.59 I	7.26	12.1	0.18 U	NS	NS	NS	NS	NS	NS
	Pre-Pilot	04/29/19	4.46	0.10 U	0.50 U	0.50 U	1.0 U	NCD	0.50 U	NS	NS	2.1	2.7	2.1	1900
	Post-Pilot	07/18/19	3.11	0.67 I	0.33 U	0.30 U	2.1 U	0.67	0.51 U	NS	NS	0.29 U	0.50 I	0.68 U	720 U
		02/05/20	3.85	0.30 U	0.33 U	0.30 U	2.1 U	NCD	0.51 U	NS	NS	0.95 I	1.7 I	0.91 I	NS
		06/08/23	4.40	0.30 U	0.35 I	0.30 U	2.1 U	0.35	1.2 U	NS	NS	0.52 I	0.20 I	0.16 I	NS
IW-8	20-25	12/19/08	6.10	**181**	7.07 I	18.4	**54.9**	261.4	**61.8**	NS	NS	**151**	1.05	1.15	NS
		02/16/10	5.38	**392**	0.205 U	5.38	**20.9**	418.3	20.1	NS	NS	**207**	8.41	8.25	NS
				Well Abandoned											
IW-9	20-25	12/19/08	5.85	**493**	4.58 I	29.1	**41.9**	568.6	**49.9 I**	NS	NS	**244**	**33.8**	**52.5**	NS
		02/16/10	5.23	**286**	0.205 U	7.57	**24.4**	318.0	5.57	NS	NS	**246**	**31.3**	**40.7**	NS
				Well Abandoned											
IW-10	20-25	12/19/08	5.49	**6.96**	0.21 U	2.41	6.56	15.9	0.20 U	NS	NS	2.49	4.48	5.27	NS
		04/09/09	5.15	1.01	0.21 U	0.283 I	0.55 U	1.293	0.20 U	NS	NS	1.67	4.78	5.68	NS
				Well Abandoned											
IW-11	20-25	12/19/08	5.63	0.17 U	0.21 U	0.17 U	0.55 U	NCD	0.20 U	NS	NS	0.285 I	0.0997 I	0.233 I	NS
		06/08/23	6.21	0.30 U	0.33 U	0.30 U	2.1 U	NCD	1.2 U	NS	NS	0.82 I	8.6	0.78 I	NS

TABLE 3A: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY

Facility Name: Tropical Chevron **Facility ID#: 648517300**

B= Base Line
K= Key Well

Location	Screen Int.	Date	DTW	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total VOA	MTBE	EDB	Total Lead	Naptha-lene	Methyl nap, 1	Methyl nap, 2	TRPH
NADC GCTLs				100 1	400 40	300 30	200 20	NA NA	200 20	2 0.02	150 15	140 14	280 28	280 28	50000 5000
IW-12	20-25	02/16/10	4.25	0.173 U	0.205 U	0.173 U	0.171 U	NCD	0.246 I	NS	NS	0.034 U	0.026 U	0.03 U	NS
				Well Abandoned											
IW-13	20-25	02/16/10	4.92	0.173 U	0.206 I	0.173 U	0.171 U	0.206	0.406 I	NS	NS	0.143 I	0.045 I	0.073 I	NS
				Well Abandoned											
IW-14	20-25	02/16/10	5.31	1040	16.1	24.8	394	1474.9	91	NS	NS	66.9	0.057 I	0.048 I	NS
		12/08/10	8.65	3440	2.3	20.9	143.3	3606.5	33.1	NS	NS	NS	NS	NS	NS
				Well Abandoned											
IW-15	20-25	02/15/10	4.49	0.62 I	0.205 U	0.18 I	0.906	1.706	9.21	NS	NS	0.492 I	0.026 U	0.03 U	NS
	baseline	03/28/13	6.15	0.10 U	0.50 U	0.50 U	0.50 U	NCD	3.2	NS	NS	NS	NS	NS	NS
		07/23/13	4.35	0.26 I	1.2	0.50 U	1.4	2.86	1.4	NS	NS	NS	NS	NS	NS
		01/02/14	5.05	0.10 U	0.50 U	0.50 U	0.50 U	NCD	0.77 I	NS	NS	NS	NS	NS	NS
		04/07/14	5.04	0.10 U	0.50 U	0.50 U	0.50 U	NCD	0.50 U	NS	NS	NS	NS	NS	NS
		07/17/14	3.84	0.10 U	0.50 U	0.50 U	0.50 U	NCD	0.50 U	NS	NS	NS	NS	NS	NS
		10/16/14	3.81	0.10 U	0.50 U	0.50 U	0.50 U	NCD	0.50 U	NS	NS	NS	NS	NS	NS
		01/20/15	4.16	0.10 U	0.50 U	0.50 U	0.50 U	NCD	0.50 U	NS	NS	NS	NS	NS	NS
		04/22/15	4.28	0.10 U	0.50 U	0.50 U	0.50 U	NCD	0.50 U	NS	NS	NS	NS	NS	NS
		07/29/15	5.29	0.10 U	0.50 U	0.50 U	0.50 U	NCD	0.50 U	NS	NS	NS	NS	NS	NS
		10/21/15	5.15	0.10 U	0.50 U	0.50 U	0.50 U	NCD	0.71 I	NS	NS	NS	NS	NS	NS
		01/13/16	5.43	0.10U	0.50 U	0.50 U	0.50 U	NCD	0.71 I	NS	NS	NS	NS	NS	NS
IW-16	22-27	02/14/12	6.91	0.4 U	0.4 U	0.4 U	0.8 U	NCD	0.4 U	NS	NS	0.525	0.132	0.284	NS
		04/29/19	7.07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		07/18/19	6.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		02/05/20	6.54	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		06/08/23	7.02	0.30 U	0.33 U	0.30 U	2.1 U	NCD	1.2 U	NS	NS	0.27 U	0.036 U	0.064 U	NS
IW-17	20-30 Pre-Pilot Post-Pilot	04/29/19	4.70	4.4	0.84 I	1.1	2.5 I	8.8	0.50 U	NS	NS	19.2	1.1 I	1.7 I	790 I
		07/18/19	3.64	0.40 I	0.33 U	0.30 U	2.1 U	0.40	0.51 U	NS	NS	9.4	0.66 I	0.92 I	710 U
		02/05/20	3.96	0.30 U	0.33 U	0.30 U	2.1 U	NCD	0.51 U	NS	NS	15.4	1.1 I	1.5 I	NS
		06/08/23	4.46	0.30 U	0.33 U	0.30 U	2.1 U	NCD	1.2 U	NS	NS	6.8	0.60 I	0.90 I	NS
IW-18	20-30 Pre-Pilot Post-Pilot	04/29/19	5.01	4.7	0.50 U	0.57 I	1.1 I	6.4	0.62 I	NS	NS	28.7	2.8	5.0	730 U
		07/18/19	3.88	3.5	0.33 U	0.33 I	2.1 U	3.8	0.51 U	NS	NS	19.4	2.4	4.1	710 U
		02/05/20	4.34	3.0	0.33 U	0.41 I	2.1 U	3.4	0.51 U	NS	NS	25	2.7	4.2	NS
		07/14/20	3.71	0.30 U	0.33 U	0.82 I	2.1 U	0.82	0.51 U	NS	NS	8.6	0.97 I	1.5 I	NS
		06/08/23	4.92	0.30 U	0.33 U	0.30 U	2.1 U	NCD	1.2 U	NS	NS	9.1	1.7 I	2.8	NS

TABLE 3A: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY

Facility Name: Tropical Chevron **Facility ID#: 648517300**

B= Base Line K= Key Well			NADC GCTLs	100 1	400 40	300 30	200 20	NA NA	200 20	2 0.02	150 15	140 14	280 28	280 28	50000 5000
Location	**Screen Int.**	**Date**	**DTW**	**Benzene**	**Toluene**	**Ethyl Benzene**	**Total Xylenes**	**Total VOA**	**MTBE**	**EDB**	**Total Lead**	**Naptha-lene**	**Methyl nap, 1**	**Methyl nap, 2**	**TRPH**
IW-19	20-30 Pre-Pilot	04/29/19	6.49	**18.0**	0.51 I	1.4	9.3	29.2	8.1	NS	NS	8.2	0.54 I	0.68 U	720 U
	Post-Pilot	07/18/19	5.56	0.33 I	0.33 U	0.37 I	2.1 U	0.70	0.51 U	NS	NS	10.2	0.74 I	0.86 I	710 U
		02/05/20	5.91	0.30 U	0.33 U	0.30 U	2.1 U	2.1 U	0.51 U	NS	NS	11.9	0.95 I	1.1 I	NS
		07/14/20	5.43	0.30 U	0.33 U	0.70 I	2.1 U	0.70	0.51 U	NS	NS	5.7	0.46 I	0.68 U	NS
		06/08/23	6.41	0.30 U	0.33 U	0.30 U	2.1 U	NCD	1.2 U	NS	NS	NS	NS	NS	NS
IW-20	20-30 Pre-Pilot	04/29/19	7.36	**11.5**	0.50 U	2.4	1.4 I	15.3	9.7	NS	NS	**52.8**	5.5	8.1	740 U
	Post-Pilot	07/18/19	6.39	**2.5**	0.33 U	1.6	2.1 U	4.1	5.6	NS	NS	**52.5**	5.9	8.2	720 U
		02/05/20	6.76	**2.7**	0.33 U	0.48 I	2.1 U	3.2	1.9 I	NS	NS	**53.6**	5.9	8.3	NS
		07/14/20	6.25	**6.5**	0.33 U	0.75 I	2.1 U	7.3	2.4	NS	NS	**26.3**	3.5	4.9	NS
		06/08/23	7.23	0.46 I	0.33 U	0.30 U	2.1 U	0.46	1.2 U	NS	NS	**17.0**	1.5 I	2.3	NS
DW-1	45-50	04/06/05	7.56	1.0 U	1.0 U	1.0 U	3.0 U	NCD	1.0 U	NS	NS	5.0 U	5.0 U	5.0 U	500 U
		01/10/07	8.29	0.14 U	0.29 U	0.10 U	0.12 U	NCD	0.51 U	NS	NS	0.038 (I)	0.044 U	0.077 U	NS
DW-2	45-50	05/17/06	8.86	0.45 U	1.1	1.1	3.3	5.5	0.19 U	NS	NS	0.023 U	0.044 U	0.077 U	NS
		01/10/07	6.91	0.98 (I)	0.57 (I)	1.0	1.58 (I)	4.13	0.51 U	NS	NS	0.39 (I)	0.19 (I)	0.31 (I)	210 I
DW-3	45-50	03/08/07	9.59	**1.5**	2.1	0.93	5.32	9.85	0.79	NS	NS	0.94	0.23	0.33	NS
		12/19/08	8.69	1.01	0.308 I	0.177 I	1.31 I	2.805	1.37 I	NS	NS	0.615 I	0.109 I	0.154 I	NS
		12/18/10	11.22	0.173 U	0.205 U	0.173 U	0.171 U	NCD	0.665 I	NS	NS	NS	NS	NS	NS
		02/14/12	8.13	1.09	0.46 I	0.4 U	0.8 U	1.55	2.56	NS	NS	NS	NS	NS	NS
DW-4	45-50	02/15/10	8.22	1.22	0.205 U	0.173 U	0.176	1.396	0.196	NS	NS	0.083 I	0.081 I	0.089 I	NS
		12/18/10	11.43	**3.91**	0.486 I	0.173 U	0.439 I	0.925	6.88	NS	NS	NS	NS	NS	NS
				Well Gone - Paved Over											
DW-5	45-50	02/16/10	7.32	**8.5**	0.53 I	0.178 I	1.225	10.433	1.62 I	NS	NS	0.288 I	0.026 U	0.03 U	NS
		12/18/10	10.64	0.216 I	0.205 U	0.173 U	0.213	0.429	0.912	NS	NS	NS	NS	NS	NS
				Well Gone - Paved Over											
OW-1	2-12	12/08/16	5.16	0.16 U	0.14 U	2.43	0.2 U	NCD	0.18 U	NS	NS	NS	NS	NS	NS
		05/17/18	3.25	0.10 U	0.50 U	0.50 U	1.5 U	NCD	0.50 U	NS	NS	0.048 U	0.032 U	0.11 U	NS
		08/20/18	3.53	0.10 U	0.50 U	0.50 U	1.5 U	NCD	0.50 U	NS	NS	0.048 U	0.032 U	0.11 U	NS
		11/16/18	4.53	0.10 U	0.50 U	0.50 U	1.5 U	NCD	0.50 U	NS	NS	0.29 U	0.19 U	0.68 U	NS
		02/15/19	3.41	0.30 U	0.33 U	0.30 U	2.1 U	NCD	0.51 U	NS	NS	0.044 U	0.041 U	0.039 U	NS
A3 Horizontal Segment 20' horizontal at ~25' bls	Pre-Pilot	04/29/19	NR	**87.1**	5.9	7.6	**62.6**	163	13.4	NS	NS	4.9 I	1.9 U	6.8 U	730 U
	Post-Pilot	07/18/19	NR	**66.8**	1.6	7.9	**32.4**	109	12.5	NS	NS	1.5 I	0.19 U	0.68 U	740 U
		02/05/20	NR	**23.4**	0.33 U	2.4	2.1 U	25.8	9.0	NS	NS	1.3 I	0.19 U	0.68 U	NS
		07/13/20	NR	**9.8**	0.33 U	0.73 I	2.1 U	10.5	8.1	NS	NS	0.73 I	0.19 U	0.68 U	NS

TABLE 3A: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY

Facility Name: Tropical Chevron **Facility ID#: 648517300**

B= Base Line K= Key Well			NADC GCTLs	100 1	400 40	300 30	200 20	NA NA	200 20	2 0.02	150 15	140 14	280 28	280 28	50000 5000
Location	**Screen Int.**	**Date**	**DTW**	**Benzene**	**Toluene**	**Ethyl Benzene**	**Total Xylenes**	**Total VOA**	**MTBE**	**EDB**	**Total Lead**	**Naptha-lene**	**Methyl nap, 1**	**Methyl nap, 2**	**TRPH**
A6 Horizontal Segment	Pre-Pilot	04/29/19	NR	182	2.4	6.8	76.1	267	22.1	NS	NS	2.9 U	1.9 U	6.8 U	730 U
20' horizontal at ~25' bls	Post-Pilot	07/18/19	NR	47.5	0.33 U	1.1	2.3 I	50.9	12.3	NS	NS	0.29 U	0.19 U	0.68 U	720 U
		02/05/20	NR	39.0	0.33 U	1.1	2.1 U	40.1	6.6	NS	NS	0.58 I	0.19 U	0.68 U	NS
		07/13/20	NR	27.4	0.33 U	0.30 U	2.1 U	27.4	3.9	NS	NS	2.6	0.19 U	0.68 U	NS
A9 Horizontal Segment	Pre-Pilot	04/29/19	NR	5.7	0.33 U	1.1	2.1 U	6.8	18.8	NS	NS	2.9 U	1.9 U	6.8 U	730 U
20' horizontal at ~25' bls	Post-Pilot	07/18/19	NR	2.5	0.33 U	1.1	2.1 U	3.6	27.2	NS	NS	4.2	0.19 U	0.68 U	720 U
		02/05/20	NR	2.9	0.33 U	1.2	2.1 U	4.1	27.0	NS	NS	10.2	0.33 I	0.68 U	NS
		07/13/20	NR	1.1	0.33 U	1.1	2.1 U	2.2	22.2	NS	NS	13.2	0.41 I	0.68 U	NS
AS-5	20-25	12/08/16	5.24	3.4	0.14 U	0.19 U	1.23 I	4.63	0.18 U	NS	NS	NS	NS	NS	NS
AS-7	20-25	12/08/16	6.63	15.2	0.81 I	1.92	10.2	28.13	0.18 U	NS	NS	NS	NS	NS	NS
		04/29/19	5.93	22.7	0.50 U	3.7	15.7	42.1	2.4	NS	NS	1.4 I	0.19 U	0.68 U	1400
		07/18/19	5.54	23.7	0.33 U	4.1	17.7	45.5	2.2	NS	NS	2.0	0.19 U	0.68 U	700 U
		02/05/20	5.03	32.7	0.33 U	4.1	14.4	51.2	2.2	NS	NS	1.5 I	0.19 U	0.68 U	NS
		07/13/20	4.47	2.7	0.33 U	0.71 I	2.1 U	3.4	0.51 U	NS	NS	0.45 I	0.19 U	0.68 U	NS
MW-1R B1	5-10	12/15/16	5.00	0.067 I	1.31	167	2.83	171.207	0.18 U	NS	NS	146 V	70 V	123 V	NS
MW-1R B2	5-10	12/15/16	5.00	3.20 U *	2.80 U *	2430	4.00 U *	2430	3.60 U *	NS	NS	NS	NS	NS	NS
MW-1R B3	5-10	12/15/16	5.00	8.7 I	7.8 I	1860	2.00 U	1876.5	1.8 U	NS	NS	332 V	73.3 V	125 V	NS
MW-1R B4	5-10	12/15/16	5.00	0.16 U	2.06	18.7	0.83 I	21.59	0.18 U	NS	NS	NS	NS	NS	NS
OB-2 Intermediate	24-29	12/15/16	6.00	353	33.8	22.3	138	194.167	46.4	NS	NS	1.15 V	0.647 V	0.909 V	NS
OB-2 Deep	45-50	12/15/16	6.00	5.81	0.14 U	0.19 U	0.2 U	5.81	4.32	NS	NS	NS	NS	NS	NS
OB-3	23-28	12/16/16	4.00	216	6.02	14.7	59.4	296.12	69.6	NS	NS	NS	NS	NS	NS
OB-4	24-29	12/15/16	4.50	832	17.3	25.6	401	1275.9	12.2	NS	NS	NS	NS	NS	NS
OB-5	24-29	12/15/16	4.50	1250	290	179	305	2024	129	NS	NS	1.70 V	0.495 V	0.685 V	NS
IW-7 B1	20-25	12/16/16	3.50	21.1	0.14 U	5.53	19.9	46.53	2.35	NS	NS	12.4 V	4.10 V	5.32 V	NS
IW-7 B2	20-25	12/16/16	5.00	10.9	0.6 I	0.85 I	12.5	24.85	0.18 U	NS	NS	NS	NS	NS	NS
IW-7 B3	20-25	12/16/16	4.00	4.51	0.14 U	0.77 I	10.7	15.98	0.18 U	NS	NS	9.35 V	6.07 V	7.90 V	NS
IW-7 B4	20-25	12/16/16	4.00	10.5	0.14 U	0.99 I	50.4	61.89	0.71 I	NS	NS	NS	NS	NS	NS
DPT-1	21-25	02/03/20	--	0.10 U	0.50 U	0.64 I	1.0 U	0.64	1.0 I	NS	NS	11.3	14.0	9.0	NS
DPT-2	16-20	02/03/20	--	0.10 U	0.50 U	0.50 U	1.0 U	1.0 U	0.50 U	NS	NS	0.29 U	0.34 I	0.68 U	NS
DPT-3	21-25	02/03/20	--	28.0	0.50 U	3.7	6.1	37.8	3.2	NS	NS	113	18.5	26.7	NS
DPT-4	21-25	02/03/20	--	558	6.8	32.1	105	702	8.9	NS	NS	225	20.2	19.0	NS
DPT-5	21-25	02/03/20	--	0.51 I	0.50 U	0.88 I	1.0 U	1.4	10.1	NS	NS	30.3	1.3 I	1.4 I	NS
DPT-6	21-25	02/03/20	--	0.10 U	0.50 U	0.50 U	18.1	18.1	2.4	NS	NS	2.3	0.19 U	0.68 U	NS
DPT-7	16-20	02/03/20	--	0.10 U	0.50 U	0.50 U	1.0 U	1.0 U	0.50 U	NS	NS	0.29 U	0.19 U	0.68 U	NS

TABLE 3A: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY

Facility Name: Tropical Chevron **Facility ID#: 648517300**

B= Base Line K= Key Well			NADC GCTLs	100 1	400 40	300 30	200 20	NA NA	200 20	2 0.02	150 15	140 14	280 28	280 28	50000 5000
Location	**Screen Int.**	**Date**	**DTW**	**Benzene**	**Toluene**	**Ethyl Benzene**	**Total Xylenes**	**Total VOA**	**MTBE**	**EDB**	**Total Lead**	**Naptha-lene**	**Methyl nap, 1**	**Methyl nap, 2**	**TRPH**
DPT-8	21-25	02/03/20	--	0.36 I	0.50 U	0.50 U	1.0 U	0.36	0.50 U	NS	NS	3.4	0.19 U	0.68 U	NS
DPT-9	16-20	02/03/20	--	0.10 U	0.50 U	0.50 U	1.8 I	1.8	0.50 U	NS	NS	2.2	0.19 U	0.68 U	NS
DPT-10	18-22	02/03/20	--	0.30 U	0.33 U	0.30 U	2.1 U	2.1 U	0.51 U	NS	NS	0.29 U	0.19 U	0.68 U	NS
DPT-11	16-20	02/03/20	--	0.30 U	0.33 U	0.65 I	2.1 U	0.65	0.51 U	NS	NS	2.9	0.19 U	0.68 U	NS
DPT-12	16-20	02/03/20	--	0.30 U	0.33 U	0.30 U	2.1 U	2.1 U	0.51 U	NS	NS	1.7 I	0.19 U	0.68 U	NS
DPT-13	18-22	02/03/20	--	0.30 U	0.33 U	0.30 U	2.1 U	2.1 U	0.51 U	NS	NS	0.29 U	0.19 U	0.68 U	NS
DPT-14	16-20	02/03/20	--	0.30 U	0.33 U	0.30 U	2.1 U	2.1 U	0.51 U	NS	NS	0.29 U	0.19 U	0.68 U	NS
DPT-15	18-22	02/03/20	--	0.30 U	0.33 U	0.30 U	2.1 U	2.1 U	0.51 U	NS	NS	0.29 U	0.19 U	0.68 U	NS
IW-21	20-25	07/14/20	3.41	**58.4**	0.88 I	12.5	**67.4**	139	0.51 U	NS	NS	**63.6**	1.7 I	0.68 U	NS
		06/08/23	4.41	**2.3**	0.33 U	1.6	7.3	11.2	1.2 U	NS	NS	**104**	13.4	4.0	NS
IW-22	20-25	07/14/20	3.78	**2.9**	0.33 U	0.74 I	13.4	17.0	0.97 I	NS	NS	1.7 I	0.19 U	0.68 U	NS
		06/08/23	4.79	**14.4**	1.3	6.0	**83.7**	105	3.0 I	NS	NS	**76.7**	4.3	3.0	NS
IW-23	20-25	07/14/20	3.97	**32.3**	3.1	9.5	**306**	351	3.5	NS	NS	**24.1**	0.29 I	0.68 U	NS
		06/08/23	4.87	**2.3**	0.50 I	2.7	**61.7**	67.2	1.2 U	NS	NS	**41.0**	3.2	3.3	NS
IW-24	20-25	07/14/20	3.14	0.30 U	0.33 U	0.30 U	2.1 U	NCD	0.51 U	NS	NS	0.29 U	0.19 U	0.68 U	NS
		06/08/23	4.43	0.30 U	0.33 U	0.30 U	2.1 U	NCD	1.2 U	NS	NS	2.0	0.95 I	1.6 I	NS
IW-25	20-25	07/14/20	3.69	0.30 U	0.33 U	0.30 U	6.2	6.2	0.51 U	NS	NS	0.29 U	0.19 U	0.68 U	NS
		06/08/23	4.75	0.30 U	0.33 U	0.30 U	2.1 U	NCD	1.2 U	NS	NS	3.2	0.075 I	0.090 I	NS
IW-26	20-25	07/14/20	5.05	**1.5**	0.33 U	0.57 I	2.1 U	2.1	0.51 U	NS	NS	0.29 U	0.19 U	0.68 U	NS
		06/08/23	5.83	0.30 U	0.33 U	0.30 U	2.1 U	NCD	1.2 U	NS	NS	0.27 U	0.036 U	0.064 U	NS
IW-27	20-30	06/08/23	4.39	0.97 I	1.4	7.5	**42.5**	52.4	4.4 I	NS	NS	0.26 U	0.035 U	0.084 I	730 U
IW-28	20-30	06/08/23	3.75	0.35 I	0.33 U	0.30 U	2.1 U	0.35	12.5	NS	NS	0.26 U	0.035 U	0.061 U	730 U
IW-29	20-30	06/08/23	4.21	0.30 U	0.33 U	0.30 U	2.1 U	NCD	1.2 U	NS	NS	0.26 U	0.042 I	0.069 I	730 U

Notes:

Bold = Above GCTLs **Bold** = Above NADCs

U = below laboratory detection limit

NCD = no compounds detected

Concentrations in bold are above FDEP Target Levels

NR = not reported

I = The reported value is between the laboratory method detection limit and the practical quantitation limit

NS = Not Sampled

J = Estimated Value

Blank/-- = No Data

Analytical Results = µg/l

Not Sampled = NS

V = Analyte equal to or above detection limit in method blank

* = Dilution 20

TABLE 3B: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY - PAHs

Facility Name: Tropical Chevron **Facility ID#: 45/9202448**

See notes at end of table.

Sample Location	Date	Acen-aph-thene (µg/L)	Acen-aph-thylene (µg/L)	Anthra-cene (µg/L)	Benzo (g,h,i) pery-lene (µg/L)	Fluoran-thene (µg/L)	Fluor-ene (µg/L)	Phenan-threne (µg/L)	Pyrene (µg/L)	Benzo (a) pyrene (µg/L)	Benzo (a) anthra-cene (µg/L)	Benzo (b) fluoran-thene (µg/L)	Benzo (k) fluoran-thene (µg/L)	Chry-sene (µg/L)	Dibenz (a,h) anthra-cene (µg/L)	Indeno (1,2,3-cd) pyrene (µg/L)
GCTLs		20	210	2,100	210	280	280	210	210	0.2**	0.05[a]	0.05[a]	0.5	4.8	0.005[a]	0.05[a]
NADCs		200	2,100	21,000	2,100	2,800	2,800	2,100	2,100	20	5	5	50	480	0.5	5
MW-1RR	6/8/2023	0.53	0.028 U	0.031 I	0.021 U	0.016 U	0.22 I	0.095 I	0.029 U	0.019 U	0.018 U	0.024 U	0.022 U	0.023 U	0.023 U	0.022 U
MW-3R	6/8/2023	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-4R	6/8/2023	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-5R	6/8/2023	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-6R	6/8/2023	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-9R	6/8/2023	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
IW-1	6/8/2023	0.21 I	0.029 U	0.019 U	0.021 U	0.017 U	0.11 I	0.018 U	0.030 U	0.020 U	0.019 U	0.025 U	0.022 U	0.024 U	0.023 U	0.022 U
IW-2	6/8/2023	0.16 I	0.028 U	0.018 U	0.021 U	0.016 U	0.060 I	0.017 U	0.029 U	0.019 U	0.018 U	0.025 U	0.022 U	0.024 U	0.023 U	0.022 U
IW-7	6/8/2023	0.041 I	0.028 U	0.033 I	0.54	1.5	0.021 I	0.51	1.2	**0.67**	**0.51**	**1.1**	0.46	0.81	**0.13 I**	**0.48**
IW-11	6/8/2023	0.074 I	0.028 U	0.018 U	0.021 U	0.016 U	0.015 U	0.017 U	0.029 U	0.019 U	0.018 U	0.024 U	0.022 U	0.023 U	0.023 U	0.022 U
IW-16	6/8/2023	0.018 U	0.029 U	0.019 U	0.022 U	0.017 U	0.016 U	0.018 U	0.030 U	0.020 U	0.019 U	0.025 U	0.023 U	0.024 U	0.023 U	0.023 U
IW-17	6/8/2023	0.018 U	0.029 U	0.019 U	0.022 U	0.017 U	0.016 U	0.018 U	0.030 U	0.020 U	0.019 U	0.026 U	0.023 U	0.025 U	0.024 U	0.023 U
IW-18	6/8/2023	0.017 U	0.028 U	0.018 U	0.021 U	0.016 U	0.015 U	0.017 U	0.029 U	0.019 U	0.018 U	0.024 U	0.022 U	0.023 U	0.023 U	0.022 U
IW-19	6/8/2023	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
IW-20	6/8/2023	0.017 U	0.028 U	0.018 U	0.021 U	0.016 U	0.016 U	0.017 U	0.029 U	0.019 U	0.018 U	0.025 U	0.022 U	0.024 U	0.023 U	0.022 U
IW-21	6/8/2023	0.041 I	0.029 U	0.018 U	0.021 U	0.017 U	0.016 U	0.018 U	0.030 U	0.019 U	0.018 U	0.025 U	0.022 U	0.024 U	0.023 U	0.022 U

TABLE 3B: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY - PAHs

Facility Name: Tropical Chevron **Facility ID#: 45/9202448** **See notes at end of table.**

IW-22	6/8/2023	0.017 U	0.029 U	0.018 U	0.021 U	0.017 U	0.016 U	0.017 U	0.029 U	0.019 U	0.018 U	0.025 U	0.022 U	0.024 U	0.023 U	0.022 U
IW-23	6/8/2023	0.018 U	0.029 U	0.019 U	0.021 U	0.017 U	0.016 U	0.018 U	0.030 U	0.020 U	0.019 U	0.025 U	0.022 U	0.024 U	0.023 U	0.022 U
IW-24	6/8/2023	0.018 U	0.030 U	0.019 U	0.022 U	0.017 U	0.016 U	0.018 U	0.031 U	0.020 U	0.019 U	0.026 U	0.023 U	0.025 U	0.024 U	0.023 U
IW-25	6/8/2023	0.018 U	0.030 U	0.019 U	0.022 U	0.018 U	0.017 U	0.018 U	0.031 U	0.020 U	0.019 U	0.026 U	0.023 U	0.025 U	0.024 U	0.023 U
IW-26	6/8/2023	0.018 U	0.029 U	0.019 U	0.022 U	0.017 U	0.016 U	0.018 U	0.030 U	0.020 U	0.019 U	0.025 U	0.023 U	0.024 U	0.023 U	0.023 U
IW-27	6/8/2023	0.017 U	0.028 U	0.018 U	0.021 U	0.016 U	0.015 U	0.017 U	0.029 U	0.019 U	0.018 U	0.024 U	0.022 U	0.023 U	0.023 U	0.022 U
IW-28	6/8/2023	0.017 U	0.028 U	0.018 U	0.021 U	0.016 U	0.015 U	0.017 U	0.029 U	0.019 U	0.018 U	0.024 U	0.022 U	0.023 U	0.022 U	0.022 U
IW-29	6/8/2023	0.017 U	0.028 U	0.018 U	0.021 U	0.016 U	0.015 U	0.017 U	0.029 U	0.019 U	0.018 U	0.024 U	0.021 U	0.023 U	0.022 U	0.021 U

Notes:

Bold = Above GCTLs **Bold** = Above NADCs

NA = Not Available

NS = Not Sampled

GCTLs = Groundwater Cleanup Target Levels specified in Table I of Chapter 62-777, F.A.C.

NADCs = Natural Attenuation Default Source Concentrations specified in Table V of Chapter 62-777, F.A.C.

** = As provided in Chapter 62-550, F.A.C.

a = See the October 12, 2004 "Guidance for the Selection of Analytical Methods and for the Evaluation of Practical Quantitation Limits" to determine how to evaluate data when the CTL is lower than the PQL.

Concentrations in bold are above FDEP Target Levels

APPENDIX A

Field Notes
Boring Logs
Well Construction Logs
Groundwater Sampling Logs
Calibration Logs

Earth Systems

DAILY LOG

Project Name	Tropical Chevron	Date	6-1-23
FAC ID #	8517300	Page	1 of 1
Location	2995 Hwy 44 New Smyrna FL	Prepared by	T. Byrnes
Scope of work	Well install	Weather Conditions	80's sunny
Arrival Time	0830	Departure Time	1100

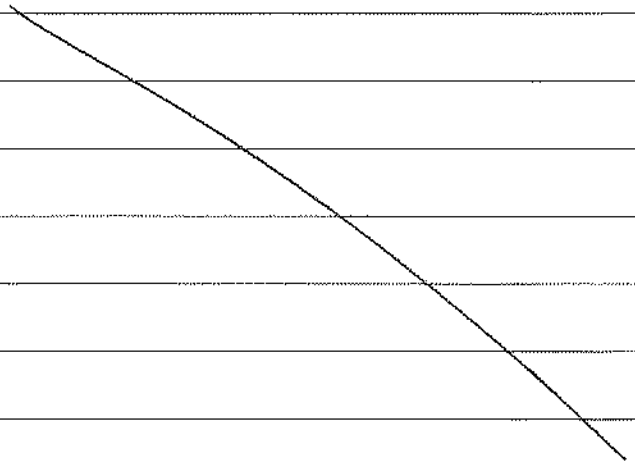
Time	Description of Activities
0630	Prepare for site, check calibration on OVA
0645	Driving light duty truck to site
0830	Arrive, wait for drillers, mark out locations of wells
0900	PDS here, Pedrey here - Box truck and Geoprobe on Flatbed
0935	Setting up on IW-28, will Hand auger 0-5' collecting OVA data to 5', using HSA down to 30' BLS for all wells
1100	IW-28 installed will pad and develope tomorrow
1115	Start IW-27 Post hole to 5' BLS, OVA every 1'
1200	Done with IW-27, Break for lunch
1300	Start IW-29, I moved well location 5' to the North because it looks like original location would be under water during rains, 10' to the south is wet at surface now with no rain, Got the OK from Luke
1415	IW-29 done, will look for wells to sample next week
1530	Can't find MW-8R-10L OR DW-3 using metal detector and probe
1600	Leave site
1730	Home

Earth Systems

DAILY LOG

Project Name	Tropical Chevron	Date	6-2-23
FAC ID #	9517300	Page	1 of 1
Location	2995 Hwy 44 New Smyrna, FL	Prepared by	A. Matt
Scope of work	well install	Weather Conditions	80s, sunny.
Arrival Time	0830	Departure Time	1230

Time	Description of Activities
0700	Driving light duty truck to site.
0830	Arrive, wait for drillers.
0900	PDS here, Box truck and Geoprobe on Flatbed.
0930	Begin padding / development of IW-28.
0955	Begin pumping IW-28.
1020	Begin padding IW-27.
1040	Done pumping / ~~IW-28.~~ developing ~~ment~~ of IW-28.
1055	Begin pumping IW-27.
1125	Done pumping / developing IW-27.
1130	IW-29 padded yesterday, begin pumping / developing well.
1200	Done pumping / developing IW-29.
1230	Off site
1400	At Jax office
	A. Matt



Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

BORING LOG

Boring/Well Number:	Permit Number:	FDEP Facility Identification Number:
IW-27		8517300

Site Name:	Borehole Start Date: 6-1-23	Borehole Start Time: 1115 ☒ AM ☐ PM
Tropical Chevron	End Date: 6-1-23	End Time: 1200 ☐ AM ☒ PM

Environmental Contractor:	Geologist's Name:	Environmental Technician's Name:
ESI		T. Byrnes

Drilling Company:	Pavement Thickness (inches):	Borehole Diameter (inches):	Borehole Depth (feet):
PDS	grass	8	30

Drilling Method(s):	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type):
HSA	5'	4.4	☐ FID ☑ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☑ Spread ☐ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☑ Well ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
Grab		6"				0	1	Brown Sand/silt	SP	DRY	
						0	2				
						0	3				
						0	4				
						0	5			m	
HSA							6				
							7			wet	
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date: 6-1-23
TW-27	8517300	Tropical Chevron	End Date: 6-1-23

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HSA							13		SP	3	
							14				
							15				
							16				
							17				
							18				
							19				
							20				
							21				
							22				
							23				
							24				
							25				
							26				
							27				
							28				
							29				
							30				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

BORING LOG

Boring/Well Number:	Permit Number:	FDEP Facility Identification Number:
IW-28		8517300

Site Name:	Borehole Start Date:	Borehole Start Time:	End Date:	End Time:
Tropical Chevron	6-1-23	0931 ☒ AM ☐ PM	6-1-23	1100 ☒ AM ☐ PM

Environmental Contractor:	Geologist's Name:	Environmental Technician's Name:
E Byrnes Earth System		T. Byrnes

Drilling Company:	Pavement Thickness (inches):	Borehole Diameter (inches):	Borehole Depth (feet):
POS	GRAVEL	8	30

Drilling Method(s):	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type):
HSA	5'	3.40	miniRAE 3000 ☐ FID ☑ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☒ Spread ☐ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☒ Well ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
PH & HSA		6"				0	1	Brown sand - silty	SP	dry	
						0	2				
						0	3				
						0	4				
						0	5			moist	
							6				
							7			wet	
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date: 6-1-23
IW-28	8517300	Tropical Chevron	End Date: 6-1-23

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HSA							13	BROWN SILTY SAND	SP	W	
							14				
							15				
							16				
							17				
							18				
							19				
							20				
							21				
							22				
							23				
							24				
							25				
							26				
							27				
							28				
							29				
							30				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

BORING LOG

Boring/Well Number:	Permit Number:	FDEP Facility Identification Number:
IW-29		8517300

Site Name:	Borehole Start Date: 6-1-23	Borehole Start Time: 1300 ☐ AM ☒ PM
Tropical Chevron	End Date: 6-1-23	End Time: 1415 ☐ AM ☒ PM

Environmental Contractor:	Geologist's Name:	Environmental Technician's Name:
ESI		T. Byrnes

Drilling Company:	Pavement Thickness (inches):	Borehole Diameter (inches):	Borehole Depth (feet):
POS	GRASS	8	30

Drilling Method(s):	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type):
HSA	5	4.60	☐ FID ☒ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☒ Spread ☐ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☒ Well ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
Post hole		6"				0	1	Brown silty sand	SP	DRY	
						0	2				
						0	3				
						0	4			M	
						0	5				
							6			W	
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date: 6-1-23
IW-29	8517300	Tropical Chevron	End Date: 6-1-23

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HSA							13	Brown silty sand	SP	W	
							14				
							15				
							16				
							17				
							18				
							19				
							20				
							21				
							22				
							23				
							24				
							25				
							26				
							27				
							28				
							29				
							30				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA

Well Number:	Site Name:	FDEP Facility I.D. Number:	Well Install Date(s):
IW-27	Tropical Chevron	8517300	6-1-23

Well Location and Type (check appropriate boxes):
- ☐ On-Site ☒ Right-of-Way
- ☐ Off-Site Private Property
- ☐ Above Grade (AG) ☐ Flush-to-Grade

If AG, list feet of riser above land surface:

Well Purpose:
- ☐ Perched Monitoring
- ☐ Shallow (Water-Table) Monitoring
- ☒ Intermediate or Deep Monitoring
- ☐ Remediation or Other (describe)

Well Install Method: HSA

Surface Casing Install Method:

Borehole Depth (feet):	Well Depth (feet):	Borehole Diameter (inches):	Manhole Diameter (inches):	Well Pad Size:
30	30	8	8	2 feet by 2 feet

Riser Diameter and Material:	Riser/Screen Connections:	Riser Length:
2" PVC	☐ Flush-Threaded ☐ Other (describe)	20 feet from 0 feet to 20 feet

Screen Diameter and Material:	Screen Slot Size:	Screen Length:
2" PVC	.010	10 feet from 20 feet to 30 feet

1st Surface Casing Material:	1st Surface Casing I.D. (inches):	1st Surface Casing Length:
also check: ☐ Permanent ☐ Temporary		____ feet from 0 feet to ____ feet

2nd Surface Casing Material:	2nd Surface Casing I.D. (inches):	2nd Surface Casing Length:
also check: ☐ Permanent ☐ Temporary		____ feet from 0 feet to ____ feet

3rd Surface Casing Material:	3rd Surface Casing I.D. (inches):	3rd Surface Casing Length:
also check: ☐ Permanent ☐ Temporary		____ feet from 0 feet to ____ feet

Filter Pack Material and Size:	Prepacked Filter Around Screen (check one):	Filter Pack Length:
20/30 sand	☐ Yes ☒ No	12 feet from 18 feet to 30 feet

Filter Pack Seal Material and Size:	Filter Pack Seal Length:
30/65 sand	2 feet from 16 feet to 18 feet

Surface Seal Material:	Surface Seal Length:
grout	16 feet from 0 feet to 16 feet

WELL DEVELOPMENT DATA

Well Development Date:	Well Development Method (check one):
6-2-23	☐ Surge/Pump ☒ Pump ☐ Compressed Air ☐ Other (describe)

Development Pump Type (check):	Depth to Groundwater (before developing in feet):
☐ Centrifugal ☐ Peristaltic ☒ Submersible ☐ Other (describe)	4.4

Pumping Rate (gallons per minute):	Maximum Drawdown of Groundwater During Development (feet):	Well Purged Dry (check one):
1/2	4.8	☐ Yes ☒ No

Pumping Condition (check one):	Total Development Water Removed (gallons):	Development Duration (minutes):	Development Water Drummed (check one):
☒ Continuous ☐ Intermittent	15	30	☐ Yes ☒ No

Water Appearance (color and odor) At Start of Development:	Water Appearance (color and odor) At End of Development:
Dark brown / no odor.	clear / no odor.

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA

Well Number:	Site Name:	FDEP Facility I.D. Number:	Well Install Date(s):
IW-2B	Tropical Chevron	8517700	6-1-23

Well Location and Type (check appropriate boxes):
- ☐ On-Site
- ☒ Right-of-Way
- ☐ Off-Site Private Property
- ☐ Above Grade (AG)
- ☒ Flush-to-Grade

If AG, list feet of riser above land surface:

Well Purpose:
- ☐ Perched Monitoring
- ☐ Shallow (Water-Table) Monitoring
- ☒ Intermediate or Deep Monitoring
- ☐ Remediation or Other (describe)

Well Install Method: HSA

Surface Casing Install Method:

Borehole Depth (feet):	Well Depth (feet):	Borehole Diameter (inches):	Manhole Diameter (inches):	Well Pad Size:
30	30	8	8	2 feet by 2 feet

Riser Diameter and Material:	Riser/Screen Connections:	Riser Length:
2" PVC	☒ Flush-Threaded ☐ Other (describe)	20 feet from 0 feet to 20 feet

Screen Diameter and Material:	Screen Slot Size:	Screen Length:
2" PVC	.010	10 feet from 20 feet to 30 feet

1st Surface Casing Material:	1st Surface Casing I.D. (inches):	1st Surface Casing Length:
also check: ☐ Permanent ☐ Temporary		____ feet from 0 feet to ____ feet

2nd Surface Casing Material:	2nd Surface Casing I.D. (inches):	2nd Surface Casing Length:
also check: ☐ Permanent ☐ Temporary		____ feet from 0 feet to ____ feet

3rd Surface Casing Material:	3rd Surface Casing I.D. (inches):	3rd Surface Casing Length:
also check: ☐ Permanent ☐ Temporary		____ feet from 0 feet to ____ feet

Filter Pack Material and Size:	Prepacked Filter Around Screen (check one):	Filter Pack Length:
20-30 sand	☐ Yes ☒ No	12 feet from 18 feet to 30 feet

Filter Pack Seal Material and Size:	Filter Pack Seal Length:
30-65 sand	2 feet from 16 feet to 18 feet

Surface Seal Material:	Surface Seal Length:
grout	16 feet from 0 feet to 16 feet

WELL DEVELOPMENT DATA

Well Development Date:	Well Development Method (check one):
6-7-23	☐ Surge/Pump ☒ Pump ☐ Compressed Air ☐ Other (describe)

Development Pump Type (check):	Depth to Groundwater (before developing in feet):
☐ Centrifugal ☐ Peristaltic ☒ Submersible ☐ Other (describe)	3.2

Pumping Rate (gallons per minute):	Maximum Drawdown of Groundwater During Development (feet):	Well Purged Dry (check one):
1/2	3.8	☐ Yes ☒ No

Pumping Condition (check one):	Total Development Water Removed (gallons):	Development Duration (minutes):	Development Water Drummed (check one):
☒ Continuous ☐ Intermittent	15	30	☐ Yes ☒ No

Water Appearance (color and odor) At Start of Development:	Water Appearance (color and odor) At End of Development:
Dark brown, no odor	clear, no odor

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA

Well Number:	Site Name:	FDEP Facility I.D. Number:	Well Install Date(s):
IW-29	Tropical Chevron	8517300	6-1-23

Well Location and Type (check appropriate boxes):
- ☐ On-Site
- ☒ Right-of-Way
- ☐ Off-Site Private Property
- ☐ Above Grade (AG)
- ☐ Flush-to-Grade

If AG, list feet of riser above land surface:

Well Purpose:
- ☐ Perched Monitoring
- ☐ Shallow (Water-Table) Monitoring
- ☒ Intermediate or Deep Monitoring
- ☐ Remediation or Other (describe)

Well Install Method: HSA

Surface Casing Install Method:

Borehole Depth (feet):	Well Depth (feet):	Borehole Diameter (inches):	Manhole Diameter (inches):	Well Pad Size:
30	30	8	8	2 feet by 2 feet

Riser Diameter and Material:	Riser/Screen Connections:	Riser Length:
2" PVC	☒ Flush-Threaded ☐ Other (describe)	20 feet from 0 feet to 20 feet

Screen Diameter and Material:	Screen Slot Size:	Screen Length:
2" PVC	.010	10 feet from 20 feet to 30 feet

1st Surface Casing Material: also check: ☐ Permanent ☐ Temporary	1st Surface Casing I.D. (inches):	1st Surface Casing Length: ____ feet from 0 feet to ____ feet
2nd Surface Casing Material: also check: ☐ Permanent ☐ Temporary	2nd Surface Casing I.D. (inches):	2nd Surface Casing Length: ____ feet from 0 feet to ____ feet
3rd Surface Casing Material: also check: ☐ Permanent ☐ Temporary	3rd Surface Casing I.D. (inches):	3rd Surface Casing Length: ~~[illegible]~~ feet from 0 feet to ____ feet

Filter Pack Material and Size:	Prepacked Filter Around Screen (check one):	Filter Pack Length:
20/30 Sand	☐ Yes ☒ No	12 feet from 18 feet to 30 feet

Filter Pack Seal Material and Size:	Filter Pack Seal Length:
30/65 Sand	2 feet from 16 feet to 18 feet

Surface Seal Material:	Surface Seal Length:
grout	16 feet from 0 feet to 16 feet

WELL DEVELOPMENT DATA

Well Development Date:	Well Development Method (check one):
6-2-23	☐ Surge/Pump ☒ Pump ☐ Compressed Air ☐ Other (describe)

Development Pump Type (check):	Depth to Groundwater (before developing in feet):
☐ Centrifugal ☐ Peristaltic ☒ Submersible ☐ Other (describe)	4.5

Pumping Rate (gallons per minute):	Maximum Drawdown of Groundwater During Development (feet):	Well Purged Dry (check one):
1/2	4.9	☐ Yes ☒ No

Pumping Condition (check one):	Total Development Water Removed (gallons):	Development Duration (minutes):	Development Water Drummed (check one):
☒ Continuous ☐ Intermittent	15	30	☐ Yes ☒ No

Water Appearance (color and odor) At Start of Development:	Water Appearance (color and odor) At End of Development:
Dark brown, no odor.	clear, no odor.

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

FIELD INSTRUMENT CALIBRATION RECORDS - EXAMPLE CALIBRATION LOG - PRP

Calibrated by (Print)/Affiliation: T. Byrnes EST

☐ *Boldly "X" this box if there is qualified data on this page.*

ORGANIC VAPOR ANALYZER (OVA) **Acceptance Criteria +/-5% the standard**

REFERENCE: ***Portable Instruments User's Manual For Monitoring VOC Sources*****, EPA-340/1-86-015, June 1986**

Meter/Instrument Name and Unique ID: Mini RAE 3000 7320

	Initials	Date	Time	Standard (ppm)	Exp. Date	Lot #	Response (ppm)	Deviation (ppm)	Pass or Fail
[✓ CAL] ICV CCV	TB	6-1-23	0630	100	NA	EBI-24B-100	100		[✓ P] F
CAL ICV [✓ CCV]	TB	6-1-23	1400	100	N/A	EBI-24B-100	99	1	[✓ P] F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
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CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F

Notes (e.g. corrective actions, etc): ______

Perform only in Calibrate Mode:	CAL - Calibrate
Perform only in Read/Run Mode:	ICV - Initial Calibration Verification
Perform only in Read/Run Mode:	CCV - Continuing Calibration Verification

STATE OF FLORIDA WELL COMPLETION REPORT

PLEASE, FILL OUT ALL APPLICABLE FIELDS
(*Denotes Required Fields Where Applicable)

- [ ] Southwest
- [ ] Northwest
- [ ] St. Johns River
- [ ] South Florida
- [ ] Suwannee River
- [ ] DEP
- [x] Delegated Authority (If Applicable) **Volusia DOH**

Date Stamp

Confirmation# 831206

Date:06/15/2023

Official Use Only

1. *Permit Number MW-203010-1 *CUP/WUP Number _____ *DID Number 544345 62-524 Delineation No. _____
2. *Number of permitted wells constructed, repaired, or abandoned 3 *Number of permitted wells not constructed, repaired, or abandoned 0
3. *Owner's Name State of Florida Department of Transportation 4.*Completion Date 06/01/2023 5. Florida Unique ID _____
6. ROW State Road 44, New Smyrna Beack, FL 32168
   *Well Location – Address, Road Name or Number, City, ZIP
7. *County Volusia *Section 22 Land Grant _____ *Township 17S *Range 33E
8. Latitude 290046.4304 Longitude 805924.8192
9. Data Obtained From: ___ GPS _X_ Map ___ Survey Datum: ___ NAD 27 _X_ NAD 83 ___ WGS 84

10. *Type of Work: _X_ Construction ___ Repair ___ Modification ___ Abandonment Reason: _____
11. *Specify Intended Use(s) of Well(s):

- ___ Domestic
- ___ Bottled Water Supply
- ___ Public Water Supply (Limited Use/DOH)
- ___ Public Water Supply (Community or Non-Community/DEP)
- ___ Class I Injection
- ___ Landscape Irrigation
- ___ Recreation Area Irrigation
- ___ Agricultural Irrigation
- ___ Livestock
- ___ Nursery Irrigation
- ___ Commercial/Industrial
- ___ Golf Course Irrigation
- ___ Site Investigation
- _X_ Monitoring
- ___ Test
- ___ Earth-Coupled Geothermal
- ___ HVAC Supply
- ___ HVAC Return

Class V Injection: ___ Recharge ___ Commercial/Industrial Disposal ___ Aquifer Storage and Recovery ___ Drainage
Remediation: ___ Recovery ___ Air Sparge ___ Other (Describe) _____
___ Other (Describe) _____

12. *Drill Method: _X_ Auger ___ Cable Tool ___ Rotary ___ Combination (Two or More Methods) ___ Jetted ___ Sonic
    ___ Horizontal Drilling ___ Hydraulic Point (Direct Push) ___ Other _____
13. *Measured Static Water Level 20 ft. Measured Pumping Water Level ___ ft. After ___ Hours at ___ GPM
14. *Measuring Point (Describe) Ground Surface Which is ___ ft. ___ Above ___ Below Land Surface *Flowing: ___ Yes _X_ No
15. *Casing Material: ___ Black Steel ___ Galvanized _X_ PVC ___ Stainless Steel ___ Not Cased ___ Other _____
16. *Total Well Depth 30 ft. Cased Depth 20 ft. *Open Hole: From ___ To ___ ft. *Screen: From 20 To 30 ft. Slot Size .01

17. *Abandonment: Other(Explain _____)
    From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___ Neat Cement ___ Bentonite ___ Other _____
    From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___ Neat Cement ___ Bentonite ___ Other _____
    From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___ Neat Cement ___ Bentonite ___ Other _____
    From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___ Neat Cement ___ Bentonite ___ Other _____
    From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___ Neat Cement ___ Bentonite ___ Other _____
18. *Surface Casing Diameter and Depth:
    Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___ Neat Cement ___ Bentonite ___ Other _____
    Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___ Neat Cement ___ Bentonite ___ Other _____
19. *Primary Casing Diameter and Depth:
    Dia 2 in. From 0 ft. To 18 ft. No. of Bags 3 Seal Material (Check One): _X_ Neat Cement ___ Bentonite ___ Other _____
    Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___ Neat Cement ___ Bentonite ___ Other _____
    Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___ Neat Cement ___ Bentonite ___ Other _____
    Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___ Neat Cement ___ Bentonite ___ Other _____
    Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___ Neat Cement ___ Bentonite ___ Other _____
20. *Liner Casing Diameter and Depth:
    Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___ Neat Cement ___ Bentonite ___ Other _____
    Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___ Neat Cement ___ Bentonite ___ Other _____
    Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___ Neat Cement ___ Bentonite ___ Other _____
21. *Telescope Casing Diameter and Depth:
    Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___ Neat Cement ___ Bentonite ___ Other _____
    Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___ Neat Cement ___ Bentonite ___ Other _____
    Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___ Neat Cement ___ Bentonite ___ Other _____

22. Pump Type (If known):
    ___ Centrifugal ___ Jet ___ Submersible ___ Turbine
    Horsepower ___ Pump Capacity (GPM) ___
    Pump Depth ___ ft. Intake Depth ___ ft.
23. Chemical Analysis (When Required):
    Iron ___ ppm Sulfate ___ ppm Chloride ___ ppm
    ___ Laboratory Test ___ Field Test Kit
24. Water Well Contractor:
    *Contractor Name Gregory W Campbell *License Number 2613 E-mail Address Shannon@PDSFlorida.com
    *Contractor's Signature **Gregory W Campbell** (I certify that the information provided in this report is accurate and true.) *Driller's Name (Print or Type) Trey Huddleston

*Permit No. MW-203010-1

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
2379 BROAD STREET, BROOKSVILLE, FL 34604-6899
PHONE: (352) 796-7211 or (800) 423-1476
WWW.SWFWMD.STATE.FL.US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
4049 REID STREET, PALATKA, FL 32178-1429
PHONE: (386) 329-4500
WWW.SJRWMD.COM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
152 WATER MANAGEMENT DR., HAVANA, FL 32333-4712
(U.S. Highway 90, 10 miles west of Tallahassee)
PHONE: (850) 539-5999
WWW.NWFWMD.STATE.FL.US

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
P.O. BOX 24680
3301 GUN CLUB ROAD
WEST PLAM BEACH, FL 33416-4680
PHONE: (561) 686-8800
WWW.SFWMD.GOV

SUWANNEE RIVER WATER MANAGEMENT DISTRICT
9225 CR 49
LIVE OAK, FL 32060
PHONE: (386) 362-1001 or (800) 226-1066 (Florida only)
WWW.MYSUWANNEERIVER.COM

***DRILL CUTTINGS LOG** (Examine cuttings every 20 ft. or at formation changes. Note cavities and depth to producing zone. Grain Size: F=Fine, M=Medium, and C=Coarse)

From 0 ft. To 6 ft. Color Tan Grain Size (F, M, C) Fine Material Sand
From 6 ft. To 30 ft. Color Brown Grain Size (F, M, C) Fine Material Sand
From ft. To ft. Color Grain Size (F, M, C) Material
From ft. To ft. Color Grain Size (F, M, C) Material
From ft. To ft. Color Grain Size (F, M, C) Material
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From ft. To ft. Color Grain Size (F, M, C) Material
From ft. To ft. Color Grain Size (F, M, C) Material
From ft. To ft. Color Grain Size (F, M, C) Material
From ft. To ft. Color Grain Size (F, M, C) Material

Comments:
1-2"X30' Well

*Detailed Site Map of Well Location

STATE OF FLORIDA WELL COMPLETION REPORT

PLEASE, FILL OUT ALL APPLICABLE FIELDS
(*Denotes Required Fields Where Applicable)

- [ ] Southwest
- [ ] Northwest
- [ ] St. Johns River
- [ ] South Florida
- [ ] Suwannee River
- [ ] DEP
- [x] Delegated Authority (If Applicable) **Volusia DOH**

Date Stamp

Confirmation# 831211

Date:06/15/2023

Official Use Only

1. *Permit Number MW-203010-1 *CUP/WUP Number _____ *DID Number 545543 62-524 Delineation No. _____
2. *Number of permitted wells constructed, repaired, or abandoned 3 *Number of permitted wells not constructed, repaired, or abandoned 0
3. *Owner's Name State of Florida Department of Transportation 4.*Completion Date 06/01/2023 5. Florida Unique ID _____
6. ROW State Road 44, New Smyrna Beack, FL 32168
   *Well Location – Address, Road Name or Number, City, ZIP
7. *County Volusia *Section 22 Land Grant _____ *Township 17S *Range 33E
8. Latitude 290046.9539 Longitude 805922.9556
9. Data Obtained From: ___GPS _X_ Map ___Survey Datum: ___NAD 27 _X_ NAD 83 ___WGS 84

10. *Type of Work: _X_ Construction ___Repair ___Modification ___Abandonment Reason: _____
11. *Specify Intended Use(s) of Well(s):

___Domestic	___Landscape Irrigation	___Agricultural Irrigation	___Site Investigation
___Bottled Water Supply	___Recreation Area Irrigation	___Livestock	_X_ Monitoring
___Public Water Supply (Limited Use/DOH)		___Nursery Irrigation	___Test
___Public Water Supply (Community or Non-Community/DEP)		___Commercial/Industrial	___Earth-Coupled Geothermal
___Class I Injection		___Golf Course Irrigation	___HVAC Supply
			___HVAC Return

Class V Injection: ___Recharge ___Commercial/Industrial Disposal ___Aquifer Storage and Recovery ___Drainage
Remediation: ___Recovery ___Air Sparge ___Other (Describe) _____
___Other (Describe) _____

12. *Drill Method: _X_ Auger ___Cable Tool ___Rotary ___Combination (Two or More Methods) ___Jetted ___Sonic
    ___Horizontal Drilling ___Hydraulic Point (Direct Push) ___Other _____
13. *Measured Static Water Level 20 ft. Measured Pumping Water Level ___ft. After ___Hours at ___GPM
14. *Measuring Point (Describe) Ground Surface Which is ___ft. ___Above ___Below Land Surface *Flowing: ___Yes _X_ No
15. *Casing Material: ___Black Steel ___Galvanized _X_ PVC ___Stainless Steel ___Not Cased ___Other _____
16. *Total Well Depth 30 ft. Cased Depth 20 ft. *Open Hole: From ___To ___ft. *Screen: From 20 To 30 ft. Slot Size .01

17. *Abandonment: Other(Explain _____)
    From ___ft. To ___ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
    From ___ft. To ___ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
    From ___ft. To ___ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
    From ___ft. To ___ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
    From ___ft. To ___ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
18. *Surface Casing Diameter and Depth:
    Dia ___in. From ___ft. To ___ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
    Dia ___in. From ___ft. To ___ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
19. *Primary Casing Diameter and Depth:
    Dia 2 in. From 0 ft. To 18 ft. No. of Bags 3 Seal Material (Check One): _X_ Neat Cement ___Bentonite ___Other ___
    Dia ___in. From ___ft. To ___ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
    Dia ___in. From ___ft. To ___ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
    Dia ___in. From ___ft. To ___ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
    Dia ___in. From ___ft. To ___ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
20. *Liner Casing Diameter and Depth:
    Dia ___in. From ___ft. To ___ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
    Dia ___in. From ___ft. To ___ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
    Dia ___in. From ___ft. To ___ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
21. *Telescope Casing Diameter and Depth:
    Dia ___in. From ___ft. To ___ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
    Dia ___in. From ___ft. To ___ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
    Dia ___in. From ___ft. To ___ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___

22. Pump Type (If known):
    ___Centrifugal ___Jet ___Submersible ___Turbine
    Horsepower ___ Pump Capacity (GPM) ___
    Pump Depth ___ft. Intake Depth ___ft.
23. Chemical Analysis (When Required):
    Iron ___ppm Sulfate ___ppm Chloride ___ppm
    ___Laboratory Test ___Field Test Kit
24. Water Well Contractor:
    *Contractor Name Gregory W Campbell *License Number 2613 E-mail Address Shannon@PDSFlorida.com
    *Contractor's Signature Gregory W Campbell (I certify that the information provided in this report is accurate and true.) *Driller's Name (Print or Type) Trey Huddleston

*Permit No. MW-203010-1

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
2379 BROAD STREET, BROOKSVILLE, FL 34604-6899
PHONE: (352) 796-7211 or (800) 423-1476
WWW.SWFWMD.STATE.FL.US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
4049 REID STREET, PALATKA, FL 32178-1429
PHONE: (386) 329-4500
WWW.SJRWMD.COM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
152 WATER MANAGEMENT DR., HAVANA, FL 32333-4712
(U.S. Highway 90, 10 miles west of Tallahassee)
PHONE: (850) 539-5999
WWW.NWFWMD.STATE.FL.US

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
P.O. BOX 24680
3301 GUN CLUB ROAD
WEST PLAM BEACH, FL 33416-4680
PHONE: (561) 686-8800
WWW.SFWMD.GOV

SUWANNEE RIVER WATER MANAGEMENT DISTRICT
9225 CR 49
LIVE OAK, FL 32060
PHONE: (386) 362-1001 or (800) 226-1066 (Florida only)
WWW.MYSUWANNEERIVER.COM

***DRILL CUTTINGS LOG** (Examine cuttings every 20 ft. or at formation changes. Note cavities and depth to producing zone. Grain Size: F=Fine, M=Medium, and C=Coarse)

From 0 ft.	To 6 ft.	Color Tan	Grain Size (F, M, C) Fine	Material Sand
From 6 ft.	To 30 ft.	Color Brown	Grain Size (F, M, C) Fine	Material Sand
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material
From ft.	To ft.	Color	Grain Size (F, M, C)	Material

Comments:
1-2"X30' Well

*Detailed Site Map of Well Location

STATE OF FLORIDA WELL COMPLETION REPORT

PLEASE, FILL OUT ALL APPLICABLE FIELDS
(*Denotes Required Fields Where Applicable)

- [ ] Southwest
- [ ] Northwest
- [ ] St. Johns River
- [ ] South Florida
- [ ] Suwannee River
- [ ] DEP
- [X] Delegated Authority (If Applicable) **Volusia DOH**

Date Stamp

Confirmation# 831212

Date:06/15/2023

Official Use Only

1. *Permit Number MW-203010-1 *CUP/WUP Number _____ *DID Number 545544 62-524 Delineation No. _____
2. *Number of permitted wells constructed, repaired, or abandoned 3 *Number of permitted wells not constructed, repaired, or abandoned 0
3. *Owner's Name State of Florida Department of Transportation 4.*Completion Date 06/01/2023 5. Florida Unique ID _____
6. ROW SR 44, New Smyrna Beach, FL 32168
   *Well Location – Address, Road Name or Number, City, ZIP
7. *County Volusia *Section 22 Land Grant _____ *Township 17S *Range 33E
8. Latitude 290045.1891 Longitude 805919.7788
9. Data Obtained From: ___GPS __X__Map ___Survey Datum: ___NAD 27 __X__NAD 83 ___WGS 84
10. *Type of Work: __X__Construction ___Repair ___Modification ___Abandonment Reason: _____
11. *Specify Intended Use(s) of Well(s):

___Domestic	___Landscape Irrigation	___Agricultural Irrigation	___Site Investigation
___Bottled Water Supply	___Recreation Area Irrigation	___Livestock	__X__Monitoring
___Public Water Supply (Limited Use/DOH)		___Nursery Irrigation	___Test
___Public Water Supply (Community or Non-Community/DEP)		___Commercial/Industrial	___Earth-Coupled Geothermal
___Class I Injection		___Golf Course Irrigation	___HVAC Supply
			___HVAC Return

Class V Injection: ___Recharge ___Commercial/Industrial Disposal ___Aquifer Storage and Recovery ___Drainage
Remediation: ___Recovery ___Air Sparge ___Other (Describe) _____
___Other (Describe) _____

12. *Drill Method: __X__Auger ___Cable Tool ___Rotary ___Combination (Two or More Methods) ___Jetted ___Sonic
    ___Horizontal Drilling ___Hydraulic Point (Direct Push) ___Other _____
13. *Measured Static Water Level 20 ft. Measured Pumping Water Level ___ft. After ___Hours at ___GPM
14. *Measuring Point (Describe) Ground Surface Which is ___ft. ___Above ___Below Land Surface *Flowing: ___Yes __X__No
15. *Casing Material: ___Black Steel ___Galvanized __X__PVC ___Stainless Steel ___Not Cased ___Other _____
16. *Total Well Depth 30 ft. Cased Depth 20 ft. *Open Hole: From ___To___ft. *Screen: From 20 To 30 ft. Slot Size .01
17. *Abandonment: Other(Explain _____)
    From ___ft. To ___ft. No. of Bags___ Seal Material (Check One):___Neat Cement ___Bentonite ___Other _____
    From ___ft. To ___ft. No. of Bags___ Seal Material (Check One):___Neat Cement ___Bentonite ___Other _____
    From ___ft. To ___ft. No. of Bags___ Seal Material (Check One):___Neat Cement ___Bentonite ___Other _____
    From ___ft. To ___ft. No. of Bags___ Seal Material (Check One):___Neat Cement ___Bentonite ___Other _____
    From ___ft. To ___ft. No. of Bags___ Seal Material (Check One):___Neat Cement ___Bentonite ___Other _____
18. *Surface Casing Diameter and Depth:
    Dia ___in. From ___ft. To ___ft. No. of Bags___ Seal Material (Check One):___Neat Cement ___Bentonite ___Other _____
    Dia ___in. From ___ft. To ___ft. No. of Bags___ Seal Material (Check One):___Neat Cement ___Bentonite ___Other _____
19. *Primary Casing Diameter and Depth:
    Dia 2 in. From 0 ft. To 18 ft. No. of Bags 3 Seal Material (Check One): X Neat Cement ___Bentonite ___Other _____
    Dia ___in. From ___ft. To ___ft. No. of Bags___ Seal Material (Check One):___Neat Cement ___Bentonite ___Other _____
    Dia ___in. From ___ft. To ___ft. No. of Bags___ Seal Material (Check One):___Neat Cement ___Bentonite ___Other _____
    Dia ___in. From ___ft. To ___ft. No. of Bags___ Seal Material (Check One):___Neat Cement ___Bentonite ___Other _____
    Dia ___in. From ___ft. To ___ft. No. of Bags___ Seal Material (Check One):___Neat Cement ___Bentonite ___Other _____
20. *Liner Casing Diameter and Depth:
    Dia ___in. From ___ft. To ___ft. No. of Bags___ Seal Material (Check One):___Neat Cement ___Bentonite ___Other _____
    Dia ___in. From ___ft. To ___ft. No. of Bags___ Seal Material (Check One):___Neat Cement ___Bentonite ___Other _____
    Dia ___in. From ___ft. To ___ft. No. of Bags___ Seal Material (Check One):___Neat Cement ___Bentonite ___Other _____
21. *Telescope Casing Diameter and Depth:
    Dia ___in. From ___ft. To ___ft. No. of Bags___ Seal Material (Check One):___Neat Cement ___Bentonite ___Other _____
    Dia ___in. From ___ft. To ___ft. No. of Bags___ Seal Material (Check One):___Neat Cement ___Bentonite ___Other _____
    Dia ___in. From ___ft. To ___ft. No. of Bags___ Seal Material (Check One):___Neat Cement ___Bentonite ___Other _____
22. Pump Type (If known):
    ___Centrifugal ___Jet ___Submersible ___Turbine
    Horsepower ___ Pump Capacity (GPM) ___
    Pump Depth ___ft. Intake Depth ___ft.
23. Chemical Analysis (When Required):
    Iron ___ppm Sulfate ___ppm Chloride ___ppm
    ___Laboratory Test ___Field Test Kit
24. Water Well Contractor:
    *Contractor Name Gregory W Campbell *License Number 2613 E-mail Address Shannon@PDSFlorida.com
    *Contractor's Signature Gregory W Campbell (I certify that the information provided in this report is accurate and true.) *Driller's Name (Print or Type) Trey Huddleston

*Permit No. MW-203010-1

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
2379 BROAD STREET, BROOKSVILLE, FL 34604-6899
PHONE: (352) 796-7211 or (800) 423-1476
WWW.SWFWMD.STATE.FL.US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
4049 REID STREET, PALATKA, FL 32178-1429
PHONE: (386) 329-4500
WWW.SJRWMD.COM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
152 WATER MANAGEMENT DR., HAVANA, FL 32333-4712
(U.S. Highway 90, 10 miles west of Tallahassee)
PHONE: (850) 539-5999
WWW.NWFWMD.STATE.FL.US

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
P.O. BOX 24680
3301 GUN CLUB ROAD
WEST PLAM BEACH, FL 33416-4680
PHONE: (561) 686-8800
WWW.SFWMD.GOV

SUWANNEE RIVER WATER MANAGEMENT DISTRICT
9225 CR 49
LIVE OAK, FL 32060
PHONE: (386) 362-1001 or (800) 226-1066 (Florida only)
WWW.MYSUWANNEERIVER.COM

***DRILL CUTTINGS LOG** (Examine cuttings every 20 ft. or at formation changes. Note cavities and depth to producing zone. Grain Size: F=Fine, M=Medium, and C=Coarse)

From 0 ft. To 6 ft. Color Tan Grain Size (F, M, C) Fine Material Sand
From 6 ft. To 30 ft. Color Brown Grain Size (F, M, C) Fine Material Sand
From ___ ft. To ___ ft. Color ___ Grain Size (F, M, C) ___ Material ___
From ___ ft. To ___ ft. Color ___ Grain Size (F, M, C) ___ Material ___
From ___ ft. To ___ ft. Color ___ Grain Size (F, M, C) ___ Material ___
From ___ ft. To ___ ft. Color ___ Grain Size (F, M, C) ___ Material ___
From ___ ft. To ___ ft. Color ___ Grain Size (F, M, C) ___ Material ___
From ___ ft. To ___ ft. Color ___ Grain Size (F, M, C) ___ Material ___
From ___ ft. To ___ ft. Color ___ Grain Size (F, M, C) ___ Material ___
From ___ ft. To ___ ft. Color ___ Grain Size (F, M, C) ___ Material ___
From ___ ft. To ___ ft. Color ___ Grain Size (F, M, C) ___ Material ___
From ___ ft. To ___ ft. Color ___ Grain Size (F, M, C) ___ Material ___
From ___ ft. To ___ ft. Color ___ Grain Size (F, M, C) ___ Material ___
From ___ ft. To ___ ft. Color ___ Grain Size (F, M, C) ___ Material ___
From ___ ft. To ___ ft. Color ___ Grain Size (F, M, C) ___ Material ___
From ___ ft. To ___ ft. Color ___ Grain Size (F, M, C) ___ Material ___
From ___ ft. To ___ ft. Color ___ Grain Size (F, M, C) ___ Material ___
From ___ ft. To ___ ft. Color ___ Grain Size (F, M, C) ___ Material ___
From ___ ft. To ___ ft. Color ___ Grain Size (F, M, C) ___ Material ___
From ___ ft. To ___ ft. Color ___ Grain Size (F, M, C) ___ Material ___
From ___ ft. To ___ ft. Color ___ Grain Size (F, M, C) ___ Material ___
From ___ ft. To ___ ft. Color ___ Grain Size (F, M, C) ___ Material ___
From ___ ft. To ___ ft. Color ___ Grain Size (F, M, C) ___ Material ___
From ___ ft. To ___ ft. Color ___ Grain Size (F, M, C) ___ Material ___
From ___ ft. To ___ ft. Color ___ Grain Size (F, M, C) ___ Material ___
From ___ ft. To ___ ft. Color ___ Grain Size (F, M, C) ___ Material ___

Comments:
1-2"X30' Well

*Detailed Site Map of Well Location

11-552
27.7.82
28.9.09

Earth Systems

DAILY LOG

Project Name	Tropical Chevron	Date	6-8-23
FAC ID #	8517708	Page	1 of 1
Location	2995 Hwy 44 · New Smyrna	Prepared by	T. Byrnes
Scope of work	GW Sampling - Survey	Weather Conditions	80's
Arrival Time	0630	Departure Time	1400

Time	Description of Activities		
0500	Driving light duty truck to site		
0630	Arrive, wells will be sampled using PP, new tubing each well, meter calibration done on 6-8-23, samples put on ice for transport.		
0640	Purge Iw-29	Sample 0657	SURVEY 858
0715	" Iw-28	" 0732	9.09
0750	" Iw-27	" 0808	7.82
0820	" mw-4R	" 0839	
0850	" mw-1RR	" 0912	
0920	" Iw-7	" 0936	
0945	" mw-3R	" 1002	
1015	" Iw-1	" 1031	
1045	" Iw-11	" 1102	5.52
1110	" mw-6R	" 1131	
1145	" mw-9R	" 1203	
1215	" mw-5R	" 1236	
1245	" Iw-2	" 1302	
1315	mw-8 found but it is abandoned with grout		
1330	Setup for survey of new wells. Check calibrations on meters		
1400	off site		

Earth Systems

DAILY LOG

Project Name	Tropical Chevron	Date	4/8/23
FAC ID #	85/7300	Page	1 of 1
Location	2995 Hwy 44 New Smyrna Beach	Prepared by	L. Hintosz
Scope of work	GWS	Weather Conditions	90° Sunny/Cloudy
Arrival Time	0700	Departure Time	1400

Time	Description of Activities
0600	left Jax Beach office in light duty truck. - Calibrated equipment before I left.
0700	Arrived on site, T. Byrnes on site, checked in with station manager, located wells.
	Well ID: Began Purging: Sample Time:
	IW-16 0730 0750
	IW-26 0800 0820
	IW-23 0830 0850
	IW-22 0900 0920
	IW-21 0930 0950
	IW-24 1000 1020
	IW-17 1030 1050
	IW-18 1102 1122
	IW-25 1134 1154
	IW-19 1207 1227
	IW-20 1238 1258
1300	could not find MW-10R or DW-3. Will mark them as lost.
1330	Cleaned up site, checked calibrations
1400	off site

Earth Systems

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GROUNDWATER SAMPLING LOG

64/851 7300

SITE NAME:	TROPICA / CHEURON	SITE LOCATION:	2995 HWY 441 NEW SMYRNA BCH FL
WELL NO:	TW-29	SAMPLE ID:	TW-29
DATE:	6-8-23		

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH:	20 feet to 30 feet	STATIC DEPTH TO WATER (feet):	4.21	PURGE PUMP TYPE OR BAILER:	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0 gallons + (.0026 gallons/foot X 35 feet) + .25 gallons = .35 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	25	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	25	PURGING INITIATED AT:	0640	PURGING ENDED AT:	0652	TOTAL VOLUME PURGED (gallons):	1.20

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 (describe)	ORP (mV)
0640				4.21								
0644	.40	.40	.10	4.49	6.62	23.0	471	.70	7.96	CLEAR	NO	
0648	.40	.80	.10	4.52	6.52	23.0	487	.66	7.90	"	"	
0652	.40	1.20	.10	4.52	6.51	24.0	490	.64	7.87	"	"	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	T. Byanes C. Antaz	SAMPLER(S) SIGNATURE(S):	T.B	SAMPLING INITIATED AT:	0653	SAMPLING ENDED AT:	0657
PUMP OR TUBING DEPTH IN WELL (feet):	25	TUBING MATERIAL CODE:	HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:		FILTER SIZE: ___ µm	
FIELD DECONTAMINATION: PUMP Y (N)		TUBING (Y) N (replaced)		DUPLICATE: Y (N)			

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40mL	HCL			BTEX-MTBE	APP	≤400mL
	2	AG	100 mL	—			PAH	"	"
	2	AG	100mL	H2SO4			FI-LED	"	"

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Earth Systems

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GROUNDWATER SAMPLING LOG # 64/851 7300

SITE NAME: Tropica / Cheuron	SITE LOCATION: 2995 Hwy 46 New Smyrna Bc Fl	
WELL NO: Tw.28	SAMPLE ID: Tw.28	DATE: 6-8-23

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 20 feet to 30 feet	STATIC DEPTH TO WATER (feet): 3.75	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0 gallons + (.0026 gallons/foot X 35 feet) + .25 gallons = .35 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 25	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 25	PURGING INITIATED AT: 0715	PURGING ENDED AT: 0727	TOTAL VOLUME PURGED (gallons): 1.20

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 (describe)	ORP (mV)
0715				3.75								
0719	.40	.40	.10	3.91	5.51	23.3	241	.47	4.02	clear	no	
0723	.40	.80	.10	3.91	5.50	23.3	244	.45	3.97	"	"	
0727	.40	1.20	.10	3.91	5.49	23.3	246	.44	3.91	"	"	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: T. Byrnes C. Antoz	SAMPLER(S) SIGNATURE(S): T. B	SAMPLING INITIATED AT: 0728	SAMPLING ENDED AT: 0732
PUMP OR TUBING DEPTH IN WELL (feet): 25	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING (Y) N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40 mL	HCL			BTEX-MTBE	APP	<400mL
	2	AG	100 mL	—			PAH	"	"
	2	AG	100mL	H2SO4			FL-PRO	"	"

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

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GROUNDWATER SAMPLING LOG

64/851 7300

SITE NAME:	TROPICA / CHEVRON	SITE LOCATION:	2995 HWY 44 NEW SMYRNA BCH FL
WELL NO:	TW-27	SAMPLE ID:	TW-27
DATE:	6-8-23		

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH:	20 feet to 30 feet	STATIC DEPTH TO WATER (feet):	4.39	PURGE PUMP TYPE OR BAILER:	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0 gallons + (.0026 gallons/foot X 35 feet) + .25 gallons = .35 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	25	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	25	PURGING INITIATED AT:	0750	PURGING ENDED AT:	0802	TOTAL VOLUME PURGED (gallons):	1.20

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 (describe)	ORP (mV)
0750				4.39								
0754	.40	.40	.10	4.59	5.83	22.8	239	.32	4.14	clear	NO	
0758	.40	.81	.10	4.58	5.82	22.8	237	.30	4.10	↓	↓	
0802	.40	1.20	.10	4.58	5.80	22.8	235	.30	4.13			

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	T. BYRNES C. ANTOZ	SAMPLER(S) SIGNATURE(S):	T.B	SAMPLING INITIATED AT:	0803	SAMPLING ENDED AT:	0808
PUMP OR TUBING DEPTH IN WELL (feet):	25	TUBING MATERIAL CODE:	HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:		FILTER SIZE: ___ µm	

FIELD DECONTAMINATION: PUMP Y (N) TUBING (Y) N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40 mL	HCL			BTEX-MTBE	APP	<400mL
	2	AG	100 mL	—			PAH	"	"
	2	AG	1000mL	H2SO4			FL-PRO	"	"

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

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GROUNDWATER SAMPLING LOG

64/851 7300

SITE NAME:	Tropica / Chevron	SITE LOCATION:	2995 Hwy 44 New Smyrna Bch FL
WELL NO:	MW-4R	SAMPLE ID:	MW-4R
DATE:	6-8-23		

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH:	3 feet to 13 feet	STATIC DEPTH TO WATER (feet):	5.08	PURGE PUMP TYPE OR BAILER:	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

= (13 feet – 5.08 feet) X .16 gallons/foot = 1.26 gallons

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):	7	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	7	PURGING INITIATED AT:	0820	PURGING ENDED AT:	0835	TOTAL VOLUME PURGED (gallons):	3.0

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 (describe)	ORP (mV)
0820				5.08								
0827	1.40	1.40	.20	6.25	6.45	27.5	268	.33	5.01	clear	none	
0831	.80	2.20	.20	6.49	6.47	27.5	267	.32	4.90	"	"	
0835	.80	3.0	.20	6.61	6.47	27.5	262	.32	4.87	"	"	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	T. Byenes C. Antoz	SAMPLER(S) SIGNATURE(S):	T.B	SAMPLING INITIATED AT:	0836	SAMPLING ENDED AT:	0839

PUMP OR TUBING DEPTH IN WELL (feet):	7	TUBING MATERIAL CODE:	HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP Y (N) TUBING (Y) N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40 mL	HCL			BTEX+MTBE	APP	<400mL
	2	AG	1000 mL	"			PAH	"	"

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

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GROUNDWATER SAMPLING LOG

64/851 7300

SITE NAME:	Tropica / Chevron	SITE LOCATION:	2995 Hwy 44 New Smyrna Bc Fl
WELL NO:	MW-1RR	SAMPLE ID:	MW-1RR
DATE:	6-8-23		

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH:	3 feet to 13 feet	STATIC DEPTH TO WATER (feet):	5.45	PURGE PUMP TYPE OR BAILER:	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

= (13 feet – 5.45 feet) X .16 gallons/foot = 1.20 gallons

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):	7.25	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	7.25	PURGING INITIATED AT:	0850	PURGING ENDED AT:	0908	TOTAL VOLUME PURGED (gallons):	3.60

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 (describe)	ORP (mV)
0850				5.45								
0856	1.20	1.20	.20	6.13	6.74	27.4	744	.19	7.10	Clear	slight Hc	X
0902	1.20	2.40	.20	6.13	6.68	27.4	752	.16	7.01	"	"	"
0908	1.20	3.60	.20	6.13	6.65	27.4	753	.15	6.98	"	"	"

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	T. Byrnes C. Antoz	SAMPLER(S) SIGNATURE(S):	T. B	SAMPLING INITIATED AT:	0909	SAMPLING ENDED AT:	0912

PUMP OR TUBING DEPTH IN WELL (feet):	7.25	TUBING MATERIAL CODE:	HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP Y (N) TUBING (Y) N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40 mL	HCL			BTEX + MTBE	APP	<400 mL
	2	AG	100 mL	—			PAH	"	"
	2	AG	100 mL	H_2SO_4			FL-PRO	"	"

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

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GROUNDWATER SAMPLING LOG # 64/851 7300

SITE NAME:	Tropical Chevron	SITE LOCATION:	2995 Hwy 441 NEW Smyrna Bch FL
WELL NO:	TW-7	SAMPLE ID:	TW-7
DATE:	6-8-23		

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH:	20 feet to 25 feet	STATIC DEPTH TO WATER (feet):	4.40	PURGE PUMP TYPE OR BAILER:	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0 gallons + (.0026 gallons/foot X 30 feet) + .25 gallons = .33 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	23	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	23	PURGING INITIATED AT:	0920	PURGING ENDED AT:	0932	TOTAL VOLUME PURGED (gallons):	1.20

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 (describe)	ORP (mV)
0920				4.40								
0924	.40	.40	.10	4.75	5.83	23.2	607	.22	6.94	clear	Posi	X
0928	.40	.80	.10	4.77	5.82	23.2	608	.20	6.90	"	"	
0932	.40	1.20	.10	4.77	5.80	23.2	610	.20		"	"	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	T. Byrnes C. Astor	SAMPLER(S) SIGNATURE(S):	T.B	SAMPLING INITIATED AT:	0933	SAMPLING ENDED AT:	0936
PUMP OR TUBING DEPTH IN WELL (feet):	23	TUBING MATERIAL CODE:	HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:		FILTER SIZE: ____ µm	

FIELD DECONTAMINATION: PUMP Y (N) TUBING (Y) N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40mL	HCL			BTEX+MTBE	APP	<400mL
	2	AG	1000mL	—			PAH	"	"

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

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GROUNDWATER SAMPLING LOG

64/851 7300

SITE NAME:	Tropica / Cheuron	SITE LOCATION:	2995 Hwy 44 New Smyrna Bch Fl
WELL NO:	MW-3R	SAMPLE ID:	MW-3R
DATE:	6-8-23		

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH:	3 feet to 13 feet	STATIC DEPTH TO WATER (feet):	4.67	PURGE PUMP TYPE OR BAILER:	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

= (13 feet – 4.67 feet) X .16 gallons/foot = 1.33 gallons

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):	6.50	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	6.50	PURGING INITIATED AT:	0945	PURGING ENDED AT:	0959	TOTAL VOLUME PURGED (gallons):	3.50

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 (describe)	ORP (mV)
0945	—	—	—	4.67	—	—	—	—	—	—	—	—
0951	1.50	1.50	.25	5.38	6.04	23.7	213	.29	6.64	Clear	Poss	
0955	1.0	2.50	.25	5.38	6.04	23.7	214	.27	6.51	↓	↓	
0959	1.0	3.50	.25	5.39	6.05	23.7	215	.27	6.47	↓	↓	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	T. Byrnes C. Antos	SAMPLER(S) SIGNATURE(S):	T. B	SAMPLING INITIATED AT:	1000	SAMPLING ENDED AT:	1002
PUMP OR TUBING DEPTH IN WELL (feet):	6.50	TUBING MATERIAL CODE:	HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:		FILTER SIZE: ____ µm	
FIELD DECONTAMINATION: PUMP Y (N)		TUBING (Y) N (replaced)		DUPLICATE: Y (N)			

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40 mL	HCL			BTEX-MTBE	APP	<400mL
	2	AG	100 mL	—			PAH	"	"

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

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GROUNDWATER SAMPLING LOG

64/851 7300

SITE NAME:	TROPICA / CHEVRON	SITE LOCATION:	2995 HWY 44 NEW SMYRNA BCH FL
WELL NO:	IW-1	SAMPLE ID:	IW-1
DATE:	6-8-23		

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2	1/4	20 feet to 25 feet	5.83	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= 0 gallons + (.0026 gallons/foot X 30 feet) + .25 gallons = .35 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):
23	23	1015	1027	1.20

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 (describe)	ORP (mV)
1015				5.83								
1019	.40	.40	.10	6.17	6.19	26.2	177	.12	5.72	Clear	Petr	
1023	.40	.80	.10	6.17	6.20	26.2	176	.12	5.66	"	"	
1027	.40	1.20	.10	6.17	6.18	26.2	178	.11	5.66	"	"	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
T. Byrnes C. Antos	T.B	1028	1031

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
23	HDPE		

FIELD DECONTAMINATION: PUMP Y (N) TUBING (Y) N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40 mL	HCL			BTEX+MTBE	APP	<400mL
	2	AG	100 mL	—			PAH	"	"

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

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GROUNDWATER SAMPLING LOG

64/851 7300

SITE NAME:	Tropica / Chevron	SITE LOCATION:	2995 Hwy 44 New Smyrna Bch Fl
WELL NO:	IW-11	SAMPLE ID:	IW-11
DATE:	6-8-23		

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH:	20 feet to 30 feet	STATIC DEPTH TO WATER (feet):	6.21	PURGE PUMP TYPE OR BAILER:	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0 gallons + (.0026 gallons/foot X 30 feet) + .25 gallons = .35 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	23	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	23	PURGING INITIATED AT:	1045	PURGING ENDED AT:	1057	TOTAL VOLUME PURGED (gallons):	1.20

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 (describe)	ORP (mV)
1045				6.21								
1049	.40	.40	.10	6.29	5.73	26.5	271	.19	8.76	Clear	None	X
1053	.40	.80	.10	6.29	5.74	26.5	271	.18	8.66	"	"	"
1057	.40	1.20	.10	6.29	5.78	26.5	272	.15	8.60	"	"	"

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	T. Byrnes C. Antaz	SAMPLER(S) SIGNATURE(S):	T. B	SAMPLING INITIATED AT:	1058	SAMPLING ENDED AT:	1102
PUMP OR TUBING DEPTH IN WELL (feet):	23	TUBING MATERIAL CODE:	HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:		FILTER SIZE: ___ µm	

FIELD DECONTAMINATION: PUMP Y (N) TUBING (Y) N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40mL	HCL			BTEX-MTBE	APP	<400mL
	2	AG	100 mL	—			PAH	"	"

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

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GROUNDWATER SAMPLING LOG

84/851 7300

SITE NAME:	Tropica / Cheuron	SITE LOCATION:	2995 Hwy 44 New Smyrna Bc Fl
WELL NO:	MW-6R	SAMPLE ID:	MW-6R
DATE:	6-8-23		

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH:	3 feet to 13 feet	STATIC DEPTH TO WATER (feet):	6.03	PURGE PUMP TYPE OR BAILER:	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

= (13 feet – 6.03 feet) X .16 gallons/foot = 1.11 gallons

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):	8	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	8	PURGING INITIATED AT:	1110	PURGING ENDED AT:	1128	TOTAL VOLUME PURGED (gallons):	3.60

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 (describe)	ORP (mV)
1110				6.03								
1116	1.20	1.20	.20	6.25	6.57	27.3	609	.64	6.47	Clear	Pess	
1122	1.20	2.40	.20	6.26	6.59	27.3	608	.62	6.40	"	"	
1128	1.20	3.60	.20	6.26	6.58	27.3	609	.54	6.29	"	"	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	T. Byrnes C. Aoto	SAMPLER(S) SIGNATURE(S):	T.B	SAMPLING INITIATED AT:	1129	SAMPLING ENDED AT:	1131
PUMP OR TUBING DEPTH IN WELL (feet):	8	TUBING MATERIAL CODE:	HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:		FILTER SIZE: ___ µm	
FIELD DECONTAMINATION: PUMP Y (N)		TUBING (Y) N (replaced)		DUPLICATE: Y (N)			

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40 mL	HCl			BTEX-MTBE	APP	<400 mL
	2	AG	1000 mL	—			PAH	"	"

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

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GROUNDWATER SAMPLING LOG # 64/8517300

SITE NAME:	TROPICA / CHEVRON	SITE LOCATION:	2995 HWY 44 NEW SMYRNA BCH FL
WELL NO:	MW-9R	SAMPLE ID:	MW-9R
DATE:	6-8-23		

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH:	2 feet to 12 feet	STATIC DEPTH TO WATER (feet):	2.34	PURGE PUMP TYPE OR BAILER:	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

= (12 feet – 2.34 feet) X .16 gallons/foot = 1.54 gallons

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):	4.25	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	4.25	PURGING INITIATED AT:	1145	PURGING ENDED AT:	1200	TOTAL VOLUME PURGED (gallons):	3.75

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 (describe)	ORP (mV)
1145				2.34								
1152	1.75	1.75	.25	3.10	6.23	24.9	339	.27	4.99	CLEAR	NO	X
1156	1.0	2.75	.25	3.10	6.17	24.9	331	.23	5.06	"	"	"
1200	1.0	3.75	.25	3.10	6.16	24.9	329	.21	4.92	"	"	"

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	T. Byrnes C. Antoz	SAMPLER(S) SIGNATURE(S):	T.B	SAMPLING INITIATED AT:	1201	SAMPLING ENDED AT:	1203
PUMP OR TUBING DEPTH IN WELL (feet):		TUBING MATERIAL CODE:	HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:		FILTER SIZE: ____ µm	
FIELD DECONTAMINATION: PUMP Y (N)		TUBING (Y) N (replaced)		DUPLICATE: Y (N)			

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION						
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40mL	HCL			BTEX-MTBE	APP	<400mL
	2	AG	100 mL	—			PAH	"	"

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

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GROUNDWATER SAMPLING LOG

64/851 7300

SITE NAME:	TROPICA / CHEURON	SITE LOCATION:	2995 Hwy 44 NEW SMYRNA BCH FL
WELL NO:	MW-5R	SAMPLE ID:	MW-5R
DATE:	6-8-23		

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH:	3 feet to 13 feet	STATIC DEPTH TO WATER (feet):	4.31	PURGE PUMP TYPE OR BAILER:	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

= (13 feet – 4.31 feet) X .16 gallons/foot = 1.39 gallons

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):	6.25	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	6.25	PURGING INITIATED AT:	1215	PURGING ENDED AT:	1233	TOTAL VOLUME PURGED (gallons):	4.50

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 (describe)	ORP (mV)
1215				4.31								
1221	1.50	1.50	.25	4.70	6.76	24.9	290	.14	9.76	CLEAR	NONE	
1227	1.50	3.0	.25	4.71	6.73	24.9	284	.10	9.50	"	"	
1233	1.50	4.50	.25	4.71	6.71	24.9	302	.10	9.52	"	"	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	T. Byenes C. Antaz	SAMPLER(S) SIGNATURE(S):	T.B	SAMPLING INITIATED AT:	1234	SAMPLING ENDED AT:	1236
PUMP OR TUBING DEPTH IN WELL (feet):	6.25	TUBING MATERIAL CODE:	HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:		FILTER SIZE: ____ µm	
FIELD DECONTAMINATION:	PUMP Y (N)	TUBING (Y) N (replaced)		DUPLICATE: Y (N)			

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION						
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40 mL	HCL			BTEX-MTBE	APP	<400mL
	4	AG	1000 mL	"			PAH	"	"

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

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GROUNDWATER SAMPLING LOG

84/851 7300

SITE NAME:	TROPICA / CHEVRON	SITE LOCATION:	2995 HWY 46 NEW SMYRNA BCH FL
WELL NO:	IW-2	SAMPLE ID:	IW-2
DATE:	6-8-23		

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH:	20 feet to 25 feet	STATIC DEPTH TO WATER (feet):	4.47	PURGE PUMP TYPE OR BAILER:	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0 gallons + (.0026 gallons/foot X 30 feet) + .25 gallons = .35 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	23	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	23	PURGING INITIATED AT:	1245	PURGING ENDED AT:	1257	TOTAL VOLUME PURGED (gallons):	1.20

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 (describe)	ORP (mV)
1245				4.47								
1249	.40	.40	.10	5.41	6.27	24.7	234	.14	4.81	Clear	Poss	X
1253	.40	.80	.10	5.48	6.26	24.7	229	.10	4.70	"	"	"
1257	.40	1.20	.10	5.50	6.24	24.7	228	.10	4.82	"	"	"

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	T. Byrnes C. Antos	SAMPLER(S) SIGNATURE(S):	T. B	SAMPLING INITIATED AT:	1258	SAMPLING ENDED AT:	1302
PUMP OR TUBING DEPTH IN WELL (feet):	23	TUBING MATERIAL CODE:	HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:		FILTER SIZE: ___ µm	
FIELD DECONTAMINATION: PUMP Y (N)		TUBING (Y) N (replaced)		DUPLICATE: Y (N)			

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40 mL	HCL			BTEX-MTBE	APP	<400mL
	2	AG	100 mL	—			PAH	"	"
	2	AG	100mL	H2SO4			FL-PRO	"	"

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

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GROUNDWATER SAMPLING LOG

64/851 7300

SITE NAME:	Tropical / Chevron	SITE LOCATION:	2995 Hwy 44 New Smyrna Bc FL
WELL NO:	IW-16	SAMPLE ID:	DATE: 6-8-23

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2	1/4	22 feet to 27 feet	7.02	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (0.0026 gallons/foot X 30 feet) + 0.125 gallons = 0.203 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):
24.5	24.5	0730	0745	0.75

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 (describe)	ORP (mV)
0730				7.02								
0735	0.25	0.25	0.05	7.04	6.21	23.4	159	7.21	2.3	Clear	no	/
0740	0.25	0.50	0.05	7.44	6.20	23.3	158	7.16	2.0	↓	↓	/
0745	0.25	0.75	0.05	7.44	6.18	23.3	157	7.15	1.9	↓	↓	/

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
T. Byrnes C. Antoz	T. B / CA	0746	0750

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
24.5	HDPE		

FIELD DECONTAMINATION: PUMP Y (N) TUBING (Y) N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40mL	HCL			BTEX-MTBE	APP	<400mL
	2	AG	100 mL	—			PAH	"	"

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

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GROUNDWATER SAMPLING LOG

64/851 7300

SITE NAME:	Tropica / Chevron	SITE LOCATION:	2995 Hwy 44 New Smyrna Bch FL
WELL NO:	TW-26	SAMPLE ID:	DATE: 6-8-23

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2	1/4	18 feet to 28 feet	5.83	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (0.0026 gallons/foot X 33 feet) + 0.175 gallons = 0.211 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):
23	23	0800	0815	0.75

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 (describe)	ORP (mV)
0800				5.83								
0805	0.25	0.25	0.05	5.92	5.42	23.5	131	1.20	1.3	Clear	no	
0810	0.25	0.50	0.05	5.92	5.45	23.4	132	0.90	1.3	"	"	
0815	0.25	0.75	0.05	5.92	5.46	23.4	133	0.73	1.2	"	"	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./FL): 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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
T. Byrnes / C. Antoz	T.B / CA.	0816	0820

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ___ µm
23	HDPE		

FIELD DECONTAMINATION: PUMP Y (N) TUBING (Y) N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40 mL	HCl			BTEX + MTBE	APP	<400 mL
	2	AG	100 mL	—			PAH	"	"

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

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GROUNDWATER SAMPLING LOG # 64/8517300

SITE NAME:	TROPICA / CHEVRON	SITE LOCATION:	2995 HWY 441 NEW SMYRNA BCH FL
WELL NO:	IW-23	SAMPLE ID:	DATE: 6-8-23

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH:	4 feet to 16 feet	STATIC DEPTH TO WATER (feet):	4.87	PURGE PUMP TYPE OR BAILER:	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (0.0024 gallons/foot X 30 feet) + 0.185 gallons = 0.203 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	21	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	21	PURGING INITIATED AT:	0830	PURGING ENDED AT:	0845	TOTAL VOLUME PURGED (gallons):	0.75

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 (describe)	ORP (mV)
0830				4.87								
0835	0.25	0.25	0.05	5.04	5.46	24.6	386	0.45	1.4	clear	no	X
0840	0.25	0.50	0.05	5.04	5.40	24.5	402	0.21	1.3	↓	↓	
0845	0.25	0.75	0.05	5.04	5.39	24.5	405	0.13	1.3	↓	↓	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	T. Byrnes / C. Antoz	SAMPLER(S) SIGNATURE(S):	T.B / CA	SAMPLING INITIATED AT:	0846	SAMPLING ENDED AT:	0850
PUMP OR TUBING DEPTH IN WELL (feet):	21	TUBING MATERIAL CODE:	HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:		FILTER SIZE: ___ µm	
FIELD DECONTAMINATION: PUMP Y (N)		TUBING (Y) N (replaced)		DUPLICATE: Y (N)			

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40 mL	HCL			BTEX + MTBE	APP	<400 mL
	2	AG	100 mL	—			PAH	"	"

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

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GROUNDWATER SAMPLING LOG # 64/851 7300

SITE NAME:	TROPICA / CHEVRON	SITE LOCATION:	2995 HWY 44 NEW SMYRNA BCH FL
WELL NO:	IW-22	SAMPLE ID:	DATE: 6-8-23

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2	1/4	14 feet to 24 feet	4.79	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (0.0026 gallons/foot X 30 feet) + 0.125 gallons = 0.203 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):
19	19	0900	0915	0.75

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 (describe)	ORP (mV)
0900				4.79								
0905	0.25	0.25	0.05	4.86	5.41	24.9	234	0.43	1.8	Clear	no	
0910	0.25	0.50	0.05	4.86	5.46	24.8	233	0.25	1.5	↓	↓	
0915	0.25	0.75	0.05	4.86	5.48	24.8	233	0.21	1.4	↓	↓	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
T. Byrnes / C. Antoz	T. B / CA	0914	0920

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
19	HDPE		

FIELD DECONTAMINATION: PUMP Y (N) TUBING (Y) N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40 mL	HCL			BTEX, MTBE	APP	<400 mL
	2	AG	100 mL	—			PAH	"	"

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

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GROUNDWATER SAMPLING LOG # 64/851 7300

SITE NAME: TROPICA / CHEVRON	SITE LOCATION: 2995 HWY 44 NEW SMYRNA BCH FL
WELL NO: TW-21	SAMPLE ID:
	DATE: 6-8-23

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 14 feet to 24 feet	STATIC DEPTH TO WATER (feet): 4.41	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (0.0026 gallons/foot X 30 feet) + 0.125 gallons = 0.203 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 19	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 19	PURGING INITIATED AT: 0930	PURGING ENDED AT: 0945	TOTAL VOLUME PURGED (gallons): 0.75

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 (describe)	ORP (mV)
0930	—	—	—	4.41	—	—	—	—	—	—	—	—
0935	0.25	0.25	0.05	4.86	4.82	24.1	206	0.25	1.7	clear	no	X
0940	0.25	0.50	0.05	4.86	4.85	24.0	205	0.18	1.3	↓	↓	
0945	0.25	0.75	0.05	4.86	4.86	24.0	205	0.16	1.2	↓	↓	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: T. Byrnes / C. Antoz	SAMPLER(S) SIGNATURE(S): T. B / CA	SAMPLING INITIATED AT: 0946	SAMPLING ENDED AT: 0950
PUMP OR TUBING DEPTH IN WELL (feet): 19	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ___ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING (Y) N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40 mL	HCL			BTEX + MTBE	APP	<400 mL
	2	AG	100 mL	—			PAH	"	"

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

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GROUNDWATER SAMPLING LOG # 64/851 7300

SITE NAME: Tropica / Cheuron	SITE LOCATION: 2995 Hwy 44 New Smyrna Bc Fl	
WELL NO: IW-24	SAMPLE ID:	DATE: 6-8-23

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 14 feet to 24 feet	STATIC DEPTH TO WATER (feet): 4.43	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (0.0026 gallons/foot X 30 feet) + 0.125 gallons = 0.203 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 19	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 19	PURGING INITIATED AT: 1000	PURGING ENDED AT: 1015	TOTAL VOLUME PURGED (gallons): 0.75

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 (describe)	ORP (mV)
1000				4.43								
1005	0.25	0.25	0.05	4.51	5.11	23.9	244	0.83	2.7	Clear	no	
1010	0.25	0.50	0.05	4.51	5.12	23.7	236	0.40	2.2	↓	↓	
1015	0.25	0.75	0.05	4.51	5.13	23.7	234	0.31	2.1	↓	↓	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: T. Byrnes / C. Antoz	SAMPLER(S) SIGNATURE(S): T. B / CA	SAMPLING INITIATED AT: 1016	SAMPLING ENDED AT: 1020
PUMP OR TUBING DEPTH IN WELL (feet): 19	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING (Y) N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40 mL	HCl			BTEX + MTBE	APP	< 400 mL
	2	AG	100 mL	—			PAH	"	"

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

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GROUNDWATER SAMPLING LOG

64/851 7300

SITE NAME:	Tropica / Chevron	SITE LOCATION:	2995 Hwy 441 New Smyrna Bc FL
WELL NO:	IW-17	SAMPLE ID:	DATE: 6-8-23

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2	1/4	20 feet to 30 feet	4.46	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (0.0026 gallons/foot X 33 feet) + 0.175 gallons = 0.211 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):
25	25	1030	1045	0.75

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 (describe)	ORP (mV)
1030				4.46								
1035	0.25	0.25	0.05	4.63	4.74	24.4	137	0.29	1.3	clear	no	
1040	0.25	0.50	0.05	4.63	4.73	24.3	239	0.25	1.2	↓	↓	
1045	0.25	0.75	0.05	4.63	4.72	24.3	240	0.23	1.1	↓	↓	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
T. Byrnes C. Antos	T.B / CA	1046	1050

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ___ µm
25	HDPE		

FIELD DECONTAMINATION: PUMP Y (N) TUBING (Y) N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40 mL	HCL			BTEX+MTBE	APP	<400mL
	2	AG	100 mL	—			PAH	"	"

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

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GROUNDWATER SAMPLING LOG

64/851 7300

SITE NAME:	TROPICA / CHEVRON	SITE LOCATION:	2995 HWY 44 NEW SMYRNA BCH FL
WELL NO:	IN-14	SAMPLE ID:	DATE: 6-8-23

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2	1/4	20 feet to 30 feet	4.92	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (0.0026 gallons/foot X 30 feet) + 0.125 gallons = 0.211 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):
25	25	1102	1117	0.75

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 (describe)	ORP (mV)
1102				4.92								
1107	0.75	0.75	0.05	5.26	4.76	25.1	250	0.29	1.3	clear	no	
1112	0.75	0.50	0.05	5.24	4.83	25.1	269	0.20	1.2	"	"	
1117	0.75	0.75	0.05	5.24	4.86	25.1	272	0.16	1.0	"	"	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
T. Byrnes / C. Astor	T. B + CA	1118	1122

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ___ µm
25	HDPE		

FIELD DECONTAMINATION: PUMP Y (N) TUBING (Y) N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40 mL	HCL			BTEX + MTBE	APP	< 400 mL
	2	AG	100 mL	—			PAH	"	"

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

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GROUNDWATER SAMPLING LOG

64/851 7300

SITE NAME:	TROPICAL CHEVRON	SITE LOCATION:	2995 Hwy 44 New Smyrna Bch FL
WELL NO:	TW-25	SAMPLE ID:	DATE: 6-8-23

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH:	15 feet to 25 feet	STATIC DEPTH TO WATER (feet):	4.75	PURGE PUMP TYPE OR BAILER:	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (0.0026 gallons/foot X 30 feet) + 0.125 gallons = 0.203 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	20	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	20	PURGING INITIATED AT:	1134	PURGING ENDED AT:	1149	TOTAL VOLUME PURGED (gallons):	0.75

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 (describe)	ORP (mV)
1134				4.75								
1139	0.25	0.75	0.05	5.83	4.53	24.1	97	0.34	2.1	clear	no	X
1144	0.25	0.50	0.05	5.83	4.61	24.0	96	0.33	2.1	↓	↓	X
1149	0.25	0.75	0.05	5.83	4.63	24.0	95	0.33	2.0	↓	↓	X

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	T. Byrnes / C. Antoz	SAMPLER(S) SIGNATURE(S):	T.B / CA	SAMPLING INITIATED AT:	1150	SAMPLING ENDED AT:	1154
PUMP OR TUBING DEPTH IN WELL (feet):	20	TUBING MATERIAL CODE:	HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:		FILTER SIZE: ___ µm	
FIELD DECONTAMINATION: PUMP Y (N)		TUBING (Y) N (replaced)		DUPLICATE: Y (N)			

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40 mL	HCL			BTEX + MTBE	APP	<400 mL
	2	AG	100 mL	—			PAH	"	"

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

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GROUNDWATER SAMPLING LOG

64/851 7300

SITE NAME: Tropica / Cheuron	SITE LOCATION: 2995 Hwy 44 New Smyrna Bc. Fl
WELL NO: IW-19	SAMPLE ID:
	DATE: 6-8-23

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 20 feet to 30 feet	STATIC DEPTH TO WATER (feet): 6.41	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (0.0076 gallons/foot X 33 feet) + 0.125 gallons = 0.211 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 25	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 25	PURGING INITIATED AT: 1207	PURGING ENDED AT: 1222	TOTAL VOLUME PURGED (gallons): 0.75

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 (describe)	ORP (mV)
1207				6.41								
1212	0.25	0.25	0.05	6.72	4.38	24.5	158	0.38	1.3	Clear	NO	X
1217	0.25	0.50	0.05	6.72	4.41	24.5	260	0.21	1.2	↓	↓	
1222	0.25	0.75	0.05	6.92	4.43	24.5	260	0.18	1.2	↓	↓	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./FL.): 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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: T. Byrnes / C. Antaz	SAMPLER(S) SIGNATURE(S): T.B / CA	SAMPLING INITIATED AT: 1223	SAMPLING ENDED AT: 1227
PUMP OR TUBING DEPTH IN WELL (feet): 25	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ___ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING (Y) N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40mL	HCL			BTEX-MTBE	APP	<400mL
	~~3~~	~~AG~~	~~1 Liter~~	—			~~Approp~~	—	—

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

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GROUNDWATER SAMPLING LOG

64/851 7300

SITE NAME:	Tropica / Chevron	SITE LOCATION:	2985 Hwy 46 New Smyrna Bc Fl
WELL NO:	IW-20	SAMPLE ID:	DATE: 6-8-23

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH:	20 feet to 30 feet	STATIC DEPTH TO WATER (feet):	7.23	PURGE PUMP TYPE OR BAILER:	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (0.0026 gallons/foot X 33 feet) + 0.125 gallons = 0.211 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	25	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	25	PURGING INITIATED AT:	1238	PURGING ENDED AT:	1253	TOTAL VOLUME PURGED (gallons):	0.75

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 (describe)	ORP (mV)
1238				7.23								
1243	0.25	0.25	0.05	7.30	4.47	25.0	227	0.35	1.4	clear	no	X
1248	0.25	0.50	0.05	7.30	4.50	25.1	228	0.29	1.3	↓	↓	
1253	0.25	0.75	0.05	7.30	4.52	25.1	228	0.25	1.2			

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	T. Byrnes / C. Antor	SAMPLER(S) SIGNATURE(S):	T.B / CA	SAMPLING INITIATED AT:	1254	SAMPLING ENDED AT:	1258
PUMP OR TUBING DEPTH IN WELL (feet):	25	TUBING MATERIAL CODE:	HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:		FILTER SIZE: ____ µm	
FIELD DECONTAMINATION: PUMP Y (N)		TUBING (Y) N (replaced)		DUPLICATE: Y (N)			

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40mL	HCL			BTEX-MTBE	APP	<400mL
	2	AG	100 mL	—			PAH	"	"

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

FIELD INSTRUMENT CALIBRATION RECORDS - EXAMPLE CALIBRATION LOG - PRP

Project Site/FacID: Tropical Chevron 64/8517300

Calibrated by (Print)/Affiliation: T Byrnes ESE

Boldly "X" this box if there is qualified data on this page.

Temperature (Quarterly) Date of Last Temp Verification: See log book:

DISSOLVED OXYGEN (DO) (REFERENCE: DEP SOP FT 1500) **Acceptance Criteria +/-0.3 mg DO/L**

Meter/Instrument Name and Unique ID: YSI 556 A

	Initials	Date	Time	Standard (DO %)	Temp °C	Saturation mg/L (100%)	Response DO (%)	Deviation mg DO/L	Deviation mg DO/L	Pass or Fail
CAL ICV CCV	TB	6.7.23	1500	100%			100			P F
CAL ICV CCV		6.8.23	1331	100%			102		2	P F
CAL ICV CCV				100%						P F
CAL ICV CCV				100%						P F
CAL ICV CCV				100%						P F
CAL ICV CCV				100%						P F

See Table FT 1500-1 and/or Table FS 2200-2 for Dissolved Oxygen Saturation corresponding to Temperature.

SPECIFIC CONDUCTANCE (REFERENCE: DEP SOP FT 1200) **Acceptance Criteria +/-5% the standard**

Meter/Instrument Name and Unique ID: YSI 556 A

	Initials	Date	Time	Standard (µmho/cm)	Exp. Date	Lot #	Response	Deviation (%)	Pass or Fail
CAL ICV CCV	TB	6.7.23	1500	1000	3.24	117-1000-E	1000		P F
CAL ICV CCV		6.8.23	1330	1000	3.24	117-1000-E	996	4	P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F

OXIDATION-REDUCTION POTENTIAL (ORP) **Acceptance Criteria +/-10 mV**

REFERENCE: ***EPA Region 4, Operating Procedure, Field Measurement of Oxidation-Reduction Potential (ORP)***

Meter/Instrument Name and Unique ID: YSI 556 A

	Initials	Date	Time	Standard (mV)	Exp. Date	Lot #	Response (mV)	Response (mV)	Pass or Fail
CAL ICV CCV				231					P F
CAL ICV CCV				231					P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F

Perform ICVs and CCVs only in "READ/RUN" mode.

CAL - Calibration; ICV - Initial Calibration Verification; and, CCV - Continuing Calibration Verification.

FIELD INSTRUMENT CALIBRATION RECORDS - EXAMPLE CALIBRATION LOG - PRP

Project Site/FacID: Tropical Chevron 64/8617300

Calibrated by (Print)/Affiliation: T. Byrnes ESI

Boldly "X" this box if there is qualified data on this page.

TURBIDITY (REFERENCE: DEP SOP FT 1600) Meter/Instrument Name and Unique ID: WE 20/20 791-1111

Std=0.1-10 NTU +/-10% **Std=11-40 NTU +/-8%** **Std=41-100 NTU +/-6.5%** **Std>100 NTU +/-5%**

			Initials	Date	Time	Standard (NTU)	Exp. Date	Lot #	Response (NTU)	Deviation (%)	Pass or Fail	
CAL	ICV	CCV	TB	6-7-23	1500	0	3-24	C796639	0		(P)	F
CAL	ICV	CCV			"	10	3-24	C796782	10		(P)	F
CAL	ICV	CCV		6-8-23	1330	0	3-24	C796639	0.02	.02	(P)	F
CAL	ICV	CCV				10	3-24	C796782	10.02	.02	(P)	F
CAL	ICV	CCV									P	F
CAL	ICV	CCV									P	F
CAL	ICV	CCV									P	F
CAL	ICV	CCV									P	F
CAL	ICV	CCV									P	F
CAL	ICV	CCV									P	F
CAL	ICV	CCV									P	F
CAL	ICV	CCV									P	F
CAL	ICV	CCV									P	F
CAL	ICV	CCV									P	F
CAL	ICV	CCV									P	F

pH (REFERENCE: DEP SOP FT 1100) **Acceptance Criteria +/-0.2 SU**

Meter/Instrument Name and Unique ID: YSI 556-A 102405

			Initials	Date	Time	Standard (SU)	Exp. Date	Lot #	Response (SU)	Deviation (SU)	Pass or Fail	
CAL	ICV	CCV	TB	6-7-23	1500	7.0	3-24	105-E	7.0		(P)	F
CAL	ICV	CCV			"	4.01	3-24	104-E	4.01		(P)	F
CAL	ICV	CCV			"	10.0	3-24	106-E	10.0		(P)	F
CAL	ICV	CCV		6-8-23	1330	7.0	3-24	105-E	6.98	.02	(P)	F
CAL	ICV	CCV				4.01	3-24	104-E	3.98	.03	(P)	F
CAL	ICV	CCV				10.0	3-24	106-E	9.97	.03	(P)	F
CAL	ICV	CCV									P	F
CAL	ICV	CCV									P	F
CAL	ICV	CCV									P	F
CAL	ICV	CCV									P	F
CAL	ICV	CCV									P	F
CAL	ICV	CCV									P	F
CAL	ICV	CCV									P	F
CAL	ICV	CCV									P	F
CAL	ICV	CCV									P	F

Perform ICVs and CCVs only in "READ/RUN" mode.

CAL - Calibration; ICV - Initial Calibration Verification; and, CCV - Continuing Calibration Verification.

FIELD INSTRUMENT CALIBRATION RECORDS - EXAMPLE CALIBRATION LOG - PRP

Project Site/FacID: Tropical / Chevron 04851 7300

Calibrated by (Print)/Affiliation: C. Antosz / ESE

Boldly "X" this box if there is qualified data on this page.

Temperature (Quarterly) Date of Last Temp Verification: See log book:

DISSOLVED OXYGEN (DO) (REFERENCE: DEP SOP FT 1500) **Acceptance Criteria +/-0.3 mg DO/L**

Meter/Instrument Name and Unique ID: YSI 556 MPS 15F100877

	Initials	Date	Time	Standard (DO %)	Temp °C	Saturation mg/L (100%)	Response DO (%)	Deviation mg DO/L	Deviation mg DO/L	Pass or Fail
(CAL) ICV CCV	CA	6/8/23	0530	100%			100			P F
CAL ICV (CCV)	"	"	1330	100%			101			P F
CAL ICV CCV				100%						P F
CAL ICV CCV				100%						P F
CAL ICV CCV				100%						P F
CAL ICV CCV				100%						P F

See Table FT 1500-1 and/or Table FS 2200-2 for Dissolved Oxygen Saturation corresponding to Temperature.

SPECIFIC CONDUCTANCE (REFERENCE: DEP SOP FT 1200) **Acceptance Criteria +/-5% the standard**

Meter/Instrument Name and Unique ID: YSI 556 MPS 15F100877

	Initials	Date	Time	Standard (µmho/cm)	Exp. Date	Lot #	Response	Deviation (%)	Pass or Fail
(CAL) ICV CCV	CA	6/8/23	530	1000	3/24	19-1080-E	1000		P F
CAL ICV (CCV)	"	"	1330	1000	"	"	997		P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F

OXIDATION-REDUCTION POTENTIAL (ORP) **Acceptance Criteria +/-10 mV**

REFERENCE: ***EPA Region 4, Operating Procedure, Field Measurement of Oxidation-Reduction Potential (ORP)***

Meter/Instrument Name and Unique ID:

	Initials	Date	Time	Standard (mV)	Exp. Date	Lot #	Response (mV)	Response (mV)	Pass or Fail
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F

Perform ICVs and CCVs only in "READ/RUN" mode.

CAL - Calibration; ICV - Initial Calibration Verification; and, CCV - Continuing Calibration Verification.

FIELD INSTRUMENT CALIBRATION RECORDS - EXAMPLE CALIBRATION LOG - PRP

Project Site/FacID: Tropical Chevron 64/8617300

Calibrated by (Print)/Affiliation: C. Antosz ESI

Boldly "X" this box if there is qualified data on this page.

TURBIDITY (REFERENCE: DEP SOP FT 1600) Meter/Instrument Name and Unique ID: LaMotte 2020 7911-1111

Std=0.1-10 NTU +/-10% **Std=11-40 NTU +/-8%** **Std=41-100 NTU +/-6.5%** **Std>100 NTU +/-5%**

	Initials	Date	Time	Standard (NTU)	Exp. Date	Lot #	Response (NTU)	Deviation (%)	Pass or Fail
(CAL) ICV CCV	CA	6/9/23	0530	0	3/24	C796435	0		(P) F
(CAL) ICV CCV	"	"	"	10	"	C796A82	10		(P) F
CAL ICV (CCV)	"	"	1330	0	"	"	0.02		(P) F
CAL ICV (CCV)	"	"	"	10	"	"	9.98		(P) F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F

pH (REFERENCE: DEP SOP FT 1100) **Acceptance Criteria +/-0.2 SU**

Meter/Instrument Name and Unique ID: YSI 556 15F100877

	Initials	Date	Time	Standard (SU)	Exp. Date	Lot #	Response (SU)	Deviation (SU)	Pass or Fail
(CAL) ICV CCV	CA	6/9/23	0530	7.0	3/24	105-E	7.0		(P) F
(CAL) ICV CCV	"	"	"	4.01	"	104E	4.01		(P) F
(CAL) ICV CCV	"	"	"	10.0	"	10C-E	10.0		(P) F
CAL ICV (CCV)	"	"	1330	7.0	"	"	7.02		(P) F
CAL ICV (CCV)	"	"	"	4.01	"	"	4.00		(P) F
CAL ICV (CCV)	"	"	"	10.0	"	"	10.01		(P) F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F

Perform ICVs and CCVs only in "READ/RUN" mode.

CAL - Calibration; ICV - Initial Calibration Verification; and, CCV - Continuing Calibration Verification.

APPENDIX B

Laboratory Analytical Report
Chain of Custody

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

June 14, 2023

Mr. Luke Russell
Earth Systems, Inc.
223 12th Ave N #2
Jacksonville Beach, FL 32250

RE: Project: Tropical Chervon
Pace Project No.: 35805135

Dear Mr. Russell:

Enclosed are the analytical results for sample(s) received by the laboratory on June 08, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Ormond Beach

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Shelby Sharpe
shelby.sharpe@pacelabs.com
(386)672-5668
Project Manager

Enclosures

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

CERTIFICATIONS

Project: Tropical Chervon
Pace Project No.: 35805135

Pace Analytical Services Ormond Beach
8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
DoD-ANAB #:ADE-3199
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL01264
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Ohio DEP 87780
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

SAMPLE SUMMARY

Project: Tropical Chervon
Pace Project No.: 35805135

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35805135001	**MW-1RR**	Water	06/08/23 09:12	06/08/23 18:45
35805135002	**MW-3R**	Water	06/08/23 10:02	06/08/23 18:45
35805135003	**MW-4R**	Water	06/08/23 08:39	06/08/23 18:45
35805135004	**MW-5R**	Water	06/08/23 12:36	06/08/23 18:45
35805135005	**MW-6R**	Water	06/08/23 11:31	06/08/23 18:45
35805135006	**MW-9R**	Water	06/08/23 12:03	06/08/23 18:45
35805135007	**IW-1**	Water	06/08/23 10:31	06/08/23 18:45
35805135008	**IW-2**	Water	06/08/23 13:02	06/08/23 18:45
35805135009	**IW-7**	Water	06/08/23 09:36	06/08/23 18:45
35805135010	**IW-11**	Water	06/08/23 11:02	06/08/23 18:45
35805135011	**IW-16**	Water	06/08/23 07:50	06/08/23 18:45
35805135012	**IW-17**	Water	06/08/23 10:50	06/08/23 18:45
35805135013	**IW-18**	Water	06/08/23 11:22	06/08/23 18:45
35805135014	**IW-19**	Water	06/08/23 12:27	06/08/23 18:45
35805135015	**IW-20**	Water	06/08/23 12:58	06/08/23 18:45
35805135016	**IW-21**	Water	06/08/23 09:50	06/08/23 18:45
35805135017	**IW-22**	Water	06/08/23 09:20	06/08/23 18:45
35805135018	**IW-23**	Water	06/08/23 08:50	06/08/23 18:45
35805135019	**IW-24**	Water	06/08/23 10:20	06/08/23 18:45
35805135020	**IW-25**	Water	06/08/23 11:54	06/08/23 18:45
35805135021	**IW-26**	Water	06/08/23 08:20	06/08/23 18:45
35805135022	**IW-27**	Water	06/08/23 08:08	06/08/23 18:45
35805135023	**IW-28**	Water	06/08/23 07:32	06/08/23 18:45
35805135024	**IW-29**	Water	06/08/23 06:57	06/08/23 18:45

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

SAMPLE ANALYTE COUNT

Project: Tropical Chervon
Pace Project No.: 35805135

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35805135001	**MW-1RR**	FL-PRO	PKC	3	PASI-O
		EPA 8270 by SIM	JPB	20	PASI-O
		EPA 8260	AS4	8	PASI-O
35805135002	**MW-3R**	EPA 8260	AS4	8	PASI-O
35805135003	**MW-4R**	EPA 8260	AS4	8	PASI-O
35805135004	**MW-5R**	EPA 8260	AS4	8	PASI-O
35805135005	**MW-6R**	EPA 8260	AS4	8	PASI-O
35805135006	**MW-9R**	EPA 8260	AS4	8	PASI-O
35805135007	**IW-1**	EPA 8270 by SIM	JPB	20	PASI-O
		EPA 8260	AS4	8	PASI-O
35805135008	**IW-2**	FL-PRO	PKC	3	PASI-O
		EPA 8270 by SIM	JPB	20	PASI-O
		EPA 8260	AS4	8	PASI-O
35805135009	**IW-7**	EPA 8270 by SIM	JPB	20	PASI-O
		EPA 8260	CLT	8	PASI-O
35805135010	**IW-11**	EPA 8270 by SIM	JPB	20	PASI-O
		EPA 8260	CLT	8	PASI-O
35805135011	**IW-16**	EPA 8270 by SIM	JPB	20	PASI-O
		EPA 8260	CLT	8	PASI-O
35805135012	**IW-17**	EPA 8270 by SIM	JPB	20	PASI-O
		EPA 8260	CLT	8	PASI-O
35805135013	**IW-18**	EPA 8270 by SIM	JPB	20	PASI-O
		EPA 8260	CLT	8	PASI-O
35805135014	**IW-19**	EPA 8260	CLT	8	PASI-O
35805135015	**IW-20**	EPA 8270 by SIM	JPB	20	PASI-O
		EPA 8260	CLT	8	PASI-O
35805135016	**IW-21**	EPA 8270 by SIM	JPB	20	PASI-O
		EPA 8260	CLT	8	PASI-O
35805135017	**IW-22**	EPA 8270 by SIM	JPB	20	PASI-O
		EPA 8260	CLT	8	PASI-O
35805135018	**IW-23**	EPA 8270 by SIM	JPB	20	PASI-O
		EPA 8260	CLT	8	PASI-O
35805135019	**IW-24**	EPA 8270 by SIM	JPB	20	PASI-O
		EPA 8260	CLT	8	PASI-O
35805135020	**IW-25**	EPA 8270 by SIM	JPB	20	PASI-O
		EPA 8260	CLT	8	PASI-O
35805135021	**IW-26**	EPA 8270 by SIM	JPB	20	PASI-O

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

SAMPLE ANALYTE COUNT

Project: Tropical Chervon
Pace Project No.: 35805135

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	AS4	8	PASI-O
35805135022	**IW-27**	FL-PRO	PKC	3	PASI-O
		EPA 8270 by SIM	JPB	20	PASI-O
		EPA 8260	AS4	8	PASI-O
35805135023	**IW-28**	FL-PRO	PKC	3	PASI-O
		EPA 8270 by SIM	JPB	20	PASI-O
		EPA 8260	AS4	8	PASI-O
35805135024	**IW-29**	FL-PRO	PKC	3	PASI-O
		EPA 8270 by SIM	JPB	20	PASI-O
		EPA 8260	AS4	8	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

SUMMARY OF DETECTION

Project: Tropical Chervon
Pace Project No.: 35805135

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35805135001	**MW-1RR**					
FL-PRO	Petroleum Range Organics	1.3	mg/L	0.89	06/13/23 12:33	
EPA 8270 by SIM	Acenaphthene	0.53	ug/L	0.45	06/12/23 21:51	
EPA 8270 by SIM	Anthracene	0.031 I	ug/L	0.45	06/12/23 21:51	
EPA 8270 by SIM	Fluorene	0.22 I	ug/L	0.45	06/12/23 21:51	
EPA 8270 by SIM	1-Methylnaphthalene	24.2	ug/L	1.8	06/12/23 21:51	
EPA 8270 by SIM	2-Methylnaphthalene	41.4	ug/L	1.8	06/12/23 21:51	
EPA 8270 by SIM	Naphthalene	4.9	ug/L	1.8	06/12/23 21:51	
EPA 8270 by SIM	Phenanthrene	0.095 I	ug/L	0.45	06/12/23 21:51	
EPA 8260	Ethylbenzene	1.0	ug/L	1.0	06/13/23 01:57	
35805135006	**MW-9R**					
EPA 8260	Methyl-tert-butyl ether	1.3 I	ug/L	5.0	06/12/23 04:02	
35805135007	**IW-1**					
EPA 8270 by SIM	Acenaphthene	0.21 I	ug/L	0.46	06/12/23 22:11	
EPA 8270 by SIM	Fluorene	0.11 I	ug/L	0.46	06/12/23 22:11	
EPA 8270 by SIM	1-Methylnaphthalene	7.9	ug/L	1.9	06/12/23 22:11	
EPA 8270 by SIM	2-Methylnaphthalene	16.9	ug/L	1.9	06/12/23 22:11	
EPA 8270 by SIM	Naphthalene	2.9	ug/L	1.9	06/12/23 22:11	
EPA 8260	Ethylbenzene	7.5	ug/L	1.0	06/12/23 04:25	
EPA 8260	Toluene	0.35 I	ug/L	1.0	06/12/23 04:25	
35805135008	**IW-2**					
EPA 8270 by SIM	Acenaphthene	0.16 I	ug/L	0.45	06/12/23 22:31	
EPA 8270 by SIM	Fluorene	0.060 I	ug/L	0.45	06/12/23 22:31	
EPA 8270 by SIM	1-Methylnaphthalene	0.31 I	ug/L	1.8	06/12/23 22:31	
EPA 8270 by SIM	2-Methylnaphthalene	0.093 I	ug/L	1.8	06/12/23 22:31	
EPA 8270 by SIM	Naphthalene	2.1	ug/L	1.8	06/12/23 22:31	
35805135009	**IW-7**					
EPA 8270 by SIM	Acenaphthene	0.041 I	ug/L	0.45	06/12/23 22:52	
EPA 8270 by SIM	Anthracene	0.033 I	ug/L	0.45	06/12/23 22:52	
EPA 8270 by SIM	Benzo(a)anthracene	0.51	ug/L	0.090	06/12/23 22:52	
EPA 8270 by SIM	Benzo(a)pyrene	0.67	ug/L	0.18	06/12/23 22:52	
EPA 8270 by SIM	Benzo(b)fluoranthene	1.1	ug/L	0.090	06/12/23 22:52	
EPA 8270 by SIM	Benzo(g,h,i)perylene	0.54	ug/L	0.45	06/12/23 22:52	
EPA 8270 by SIM	Benzo(k)fluoranthene	0.46	ug/L	0.45	06/12/23 22:52	
EPA 8270 by SIM	Chrysene	0.81	ug/L	0.45	06/12/23 22:52	
EPA 8270 by SIM	Dibenz(a,h)anthracene	0.13 I	ug/L	0.13	06/12/23 22:52	
EPA 8270 by SIM	Fluoranthene	1.5	ug/L	0.45	06/12/23 22:52	
EPA 8270 by SIM	Fluorene	0.021 I	ug/L	0.45	06/12/23 22:52	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	0.48	ug/L	0.13	06/12/23 22:52	
EPA 8270 by SIM	1-Methylnaphthalene	0.20 I	ug/L	1.8	06/12/23 22:52	
EPA 8270 by SIM	2-Methylnaphthalene	0.16 I	ug/L	1.8	06/12/23 22:52	
EPA 8270 by SIM	Naphthalene	0.52 I	ug/L	1.8	06/12/23 22:52	
EPA 8270 by SIM	Phenanthrene	0.51	ug/L	0.45	06/12/23 22:52	
EPA 8270 by SIM	Pyrene	1.2	ug/L	0.45	06/12/23 22:52	
EPA 8260	Toluene	0.35 I	ug/L	1.0	06/12/23 14:17	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

SUMMARY OF DETECTION

Project: Tropical Chervon
Pace Project No.: 35805135

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35805135010	**IW-11**					
EPA 8270 by SIM	Acenaphthene	0.074 I	ug/L	0.45	06/12/23 23:12	
EPA 8270 by SIM	1-Methylnaphthalene	8.6	ug/L	1.8	06/12/23 23:12	
EPA 8270 by SIM	2-Methylnaphthalene	0.78 I	ug/L	1.8	06/12/23 23:12	
EPA 8270 by SIM	Naphthalene	0.82 I	ug/L	1.8	06/12/23 23:12	
35805135012	**IW-17**					
EPA 8270 by SIM	1-Methylnaphthalene	0.60 I	ug/L	1.9	06/12/23 23:53	
EPA 8270 by SIM	2-Methylnaphthalene	0.90 I	ug/L	1.9	06/12/23 23:53	
EPA 8270 by SIM	Naphthalene	6.8	ug/L	1.9	06/12/23 23:53	
35805135013	**IW-18**					
EPA 8270 by SIM	1-Methylnaphthalene	1.7 I	ug/L	1.8	06/13/23 00:13	
EPA 8270 by SIM	2-Methylnaphthalene	2.8	ug/L	1.8	06/13/23 00:13	
EPA 8270 by SIM	Naphthalene	9.1	ug/L	1.8	06/13/23 00:13	
35805135015	**IW-20**					
EPA 8270 by SIM	1-Methylnaphthalene	1.5 I	ug/L	1.8	06/13/23 00:33	
EPA 8270 by SIM	2-Methylnaphthalene	2.3	ug/L	1.8	06/13/23 00:33	
EPA 8270 by SIM	Naphthalene	17.0	ug/L	1.8	06/13/23 00:33	
EPA 8260	Benzene	0.46 I	ug/L	1.0	06/12/23 16:34	
35805135016	**IW-21**					
EPA 8270 by SIM	Acenaphthene	0.041 I	ug/L	0.46	06/13/23 00:54	
EPA 8270 by SIM	1-Methylnaphthalene	13.4	ug/L	1.8	06/13/23 00:54	
EPA 8270 by SIM	2-Methylnaphthalene	4.0	ug/L	1.8	06/13/23 00:54	
EPA 8270 by SIM	Naphthalene	104	ug/L	1.8	06/13/23 00:54	
EPA 8260	Benzene	2.3	ug/L	1.0	06/12/23 16:57	
EPA 8260	Ethylbenzene	1.6	ug/L	1.0	06/12/23 16:57	
EPA 8260	Xylene (Total)	7.3	ug/L	5.0	06/12/23 16:57	
35805135017	**IW-22**					
EPA 8270 by SIM	1-Methylnaphthalene	4.3	ug/L	1.8	06/13/23 01:14	
EPA 8270 by SIM	2-Methylnaphthalene	3.0	ug/L	1.8	06/13/23 01:14	
EPA 8270 by SIM	Naphthalene	76.7	ug/L	1.8	06/13/23 01:14	
EPA 8260	Benzene	14.4	ug/L	1.0	06/12/23 17:20	
EPA 8260	Ethylbenzene	6.0	ug/L	1.0	06/12/23 17:20	
EPA 8260	Methyl-tert-butyl ether	3.0 I	ug/L	5.0	06/12/23 17:20	
EPA 8260	Toluene	1.3	ug/L	1.0	06/12/23 17:20	
EPA 8260	Xylene (Total)	83.7	ug/L	5.0	06/12/23 17:20	
35805135018	**IW-23**					
EPA 8270 by SIM	1-Methylnaphthalene	3.2	ug/L	1.9	06/13/23 01:34	
EPA 8270 by SIM	2-Methylnaphthalene	3.3	ug/L	1.9	06/13/23 01:34	
EPA 8270 by SIM	Naphthalene	41.0	ug/L	1.9	06/13/23 01:34	
EPA 8260	Benzene	2.3	ug/L	1.0	06/12/23 17:42	
EPA 8260	Ethylbenzene	2.7	ug/L	1.0	06/12/23 17:42	
EPA 8260	Toluene	0.50 I	ug/L	1.0	06/12/23 17:42	
EPA 8260	Xylene (Total)	61.7	ug/L	5.0	06/12/23 17:42	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

SUMMARY OF DETECTION

Project: Tropical Chervon
Pace Project No.: 35805135

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35805135019	**IW-24**					
EPA 8270 by SIM	1-Methylnaphthalene	0.95 I	ug/L	1.9	06/13/23 01:55	
EPA 8270 by SIM	2-Methylnaphthalene	1.6 I	ug/L	1.9	06/13/23 01:55	
EPA 8270 by SIM	Naphthalene	2.0	ug/L	1.9	06/13/23 01:55	
35805135020	**IW-25**					
EPA 8270 by SIM	1-Methylnaphthalene	0.075 I	ug/L	1.9	06/13/23 02:15	
EPA 8270 by SIM	2-Methylnaphthalene	0.090 I	ug/L	1.9	06/13/23 02:15	
EPA 8270 by SIM	Naphthalene	3.2	ug/L	1.9	06/13/23 02:15	
35805135022	**IW-27**					
EPA 8270 by SIM	2-Methylnaphthalene	0.084 I	ug/L	1.8	06/12/23 12:10	
EPA 8260	Benzene	0.97 I	ug/L	1.0	06/13/23 03:29	
EPA 8260	Ethylbenzene	7.5	ug/L	1.0	06/13/23 03:29	
EPA 8260	Methyl-tert-butyl ether	4.4 I	ug/L	5.0	06/13/23 03:29	
EPA 8260	Toluene	1.4	ug/L	1.0	06/13/23 03:29	
EPA 8260	Xylene (Total)	42.5	ug/L	5.0	06/13/23 03:29	
35805135023	**IW-28**					
EPA 8260	Benzene	0.35 I	ug/L	1.0	06/13/23 03:52	
EPA 8260	Methyl-tert-butyl ether	12.5	ug/L	5.0	06/13/23 03:52	
35805135024	**IW-29**					
EPA 8270 by SIM	1-Methylnaphthalene	0.042 I	ug/L	1.8	06/12/23 12:50	
EPA 8270 by SIM	2-Methylnaphthalene	0.069 I	ug/L	1.8	06/12/23 12:50	

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ANALYTICAL RESULTS

Project: Tropical Chervon
Pace Project No.: 35805135

Sample: MW-1RR **Lab ID: 35805135001** Collected: 06/08/23 09:12 Received: 06/08/23 18:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
FL-PRO Water, Low Volume	Analytical Method: FL-PRO Preparation Method: EPA 3510 Pace Analytical Services - Ormond Beach								
Petroleum Range Organics	**1.3**	mg/L	0.89	0.71	1	06/11/23 16:15	06/13/23 12:33		
Surrogates									
o-Terphenyl (S)	92	%	66-139		1	06/11/23 16:15	06/13/23 12:33	84-15-1	
N-Pentatriacontane (S)	96	%	42-159		1	06/11/23 16:15	06/13/23 12:33	630-07-09	
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510 Pace Analytical Services - Ormond Beach								
Acenaphthene	**0.53**	ug/L	0.45	0.017	1	06/09/23 21:45	06/12/23 21:51	83-32-9	
Acenaphthylene	**0.028 U**	ug/L	0.45	0.028	1	06/09/23 21:45	06/12/23 21:51	208-96-8	
Anthracene	**0.031 I**	ug/L	0.45	0.018	1	06/09/23 21:45	06/12/23 21:51	120-12-7	
Benzo(a)anthracene	**0.018 U**	ug/L	0.090	0.018	1	06/09/23 21:45	06/12/23 21:51	56-55-3	
Benzo(a)pyrene	**0.019 U**	ug/L	0.18	0.019	1	06/09/23 21:45	06/12/23 21:51	50-32-8	
Benzo(b)fluoranthene	**0.024 U**	ug/L	0.090	0.024	1	06/09/23 21:45	06/12/23 21:51	205-99-2	
Benzo(g,h,i)perylene	**0.021 U**	ug/L	0.45	0.021	1	06/09/23 21:45	06/12/23 21:51	191-24-2	
Benzo(k)fluoranthene	**0.022 U**	ug/L	0.45	0.022	1	06/09/23 21:45	06/12/23 21:51	207-08-9	
Chrysene	**0.023 U**	ug/L	0.45	0.023	1	06/09/23 21:45	06/12/23 21:51	218-01-9	
Dibenz(a,h)anthracene	**0.023 U**	ug/L	0.14	0.023	1	06/09/23 21:45	06/12/23 21:51	53-70-3	
Fluoranthene	**0.016 U**	ug/L	0.45	0.016	1	06/09/23 21:45	06/12/23 21:51	206-44-0	
Fluorene	**0.22 I**	ug/L	0.45	0.015	1	06/09/23 21:45	06/12/23 21:51	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.022 U**	ug/L	0.14	0.022	1	06/09/23 21:45	06/12/23 21:51	193-39-5	
1-Methylnaphthalene	**24.2**	ug/L	1.8	0.035	1	06/09/23 21:45	06/12/23 21:51	90-12-0	
2-Methylnaphthalene	**41.4**	ug/L	1.8	0.062	1	06/09/23 21:45	06/12/23 21:51	91-57-6	
Naphthalene	**4.9**	ug/L	1.8	0.26	1	06/09/23 21:45	06/12/23 21:51	91-20-3	
Phenanthrene	**0.095 I**	ug/L	0.45	0.017	1	06/09/23 21:45	06/12/23 21:51	85-01-8	
Pyrene	**0.029 U**	ug/L	0.45	0.029	1	06/09/23 21:45	06/12/23 21:51	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	77	%	32-100		1	06/09/23 21:45	06/12/23 21:51	321-60-8	
p-Terphenyl-d14 (S)	86	%	48-112		1	06/09/23 21:45	06/12/23 21:51	1718-51-0	
8260 MSV, Short List	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Benzene	**0.30 U**	ug/L	1.0	0.30	1		06/13/23 01:57	71-43-2	
Ethylbenzene	**1.0**	ug/L	1.0	0.30	1		06/13/23 01:57	100-41-4	
Methyl-tert-butyl ether	**1.2 U**	ug/L	5.0	1.2	1		06/13/23 01:57	1634-04-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		06/13/23 01:57	108-88-3	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		06/13/23 01:57	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		06/13/23 01:57	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		06/13/23 01:57	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		06/13/23 01:57	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Tropical Chervon
Pace Project No.: 35805135

Sample: MW-3R **Lab ID: 35805135002** Collected: 06/08/23 10:02 Received: 06/08/23 18:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV, Short List	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Benzene	**0.30 U**	ug/L	1.0	0.30	1		06/13/23 02:20	71-43-2	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		06/13/23 02:20	100-41-4	
Methyl-tert-butyl ether	**1.2 U**	ug/L	5.0	1.2	1		06/13/23 02:20	1634-04-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		06/13/23 02:20	108-88-3	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		06/13/23 02:20	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		06/13/23 02:20	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		06/13/23 02:20	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		06/13/23 02:20	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Tropical Chervon
Pace Project No.: 35805135

Sample: MW-4R **Lab ID: 35805135003** Collected: 06/08/23 08:39 Received: 06/08/23 18:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV, Short List	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Benzene	**0.30 U**	ug/L	1.0	0.30	1		06/12/23 02:52	71-43-2	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		06/12/23 02:52	100-41-4	
Methyl-tert-butyl ether	**1.2 U**	ug/L	5.0	1.2	1		06/12/23 02:52	1634-04-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		06/12/23 02:52	108-88-3	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		06/12/23 02:52	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		06/12/23 02:52	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		06/12/23 02:52	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		06/12/23 02:52	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Tropical Chervon
Pace Project No.: 35805135

Sample: MW-5R **Lab ID: 35805135004** Collected: 06/08/23 12:36 Received: 06/08/23 18:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV, Short List	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Benzene	**0.30 U**	ug/L	1.0	0.30	1		06/12/23 03:16	71-43-2	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		06/12/23 03:16	100-41-4	
Methyl-tert-butyl ether	**1.2 U**	ug/L	5.0	1.2	1		06/12/23 03:16	1634-04-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		06/12/23 03:16	108-88-3	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		06/12/23 03:16	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		06/12/23 03:16	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		06/12/23 03:16	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		06/12/23 03:16	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Tropical Chervon
Pace Project No.: 35805135

Sample: MW-6R **Lab ID: 35805135005** Collected: 06/08/23 11:31 Received: 06/08/23 18:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV, Short List	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Benzene	**0.30 U**	ug/L	1.0	0.30	1		06/12/23 03:39	71-43-2	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		06/12/23 03:39	100-41-4	
Methyl-tert-butyl ether	**1.2 U**	ug/L	5.0	1.2	1		06/12/23 03:39	1634-04-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		06/12/23 03:39	108-88-3	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		06/12/23 03:39	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		06/12/23 03:39	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		06/12/23 03:39	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		06/12/23 03:39	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Tropical Chervon
Pace Project No.: 35805135

Sample: MW-9R **Lab ID: 35805135006** Collected: 06/08/23 12:03 Received: 06/08/23 18:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV, Short List	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Benzene	**0.30 U**	ug/L	1.0	0.30	1		06/12/23 04:02	71-43-2	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		06/12/23 04:02	100-41-4	
Methyl-tert-butyl ether	**1.3 I**	ug/L	5.0	1.2	1		06/12/23 04:02	1634-04-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		06/12/23 04:02	108-88-3	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		06/12/23 04:02	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		06/12/23 04:02	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		06/12/23 04:02	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		06/12/23 04:02	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Tropical Chervon
Pace Project No.: 35805135

Sample: IW-1 **Lab ID: 35805135007** Collected: 06/08/23 10:31 Received: 06/08/23 18:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510 Pace Analytical Services - Ormond Beach								
Acenaphthene	**0.21 I**	ug/L	0.46	0.018	1	06/09/23 21:45	06/12/23 22:11	83-32-9	
Acenaphthylene	**0.029 U**	ug/L	0.46	0.029	1	06/09/23 21:45	06/12/23 22:11	208-96-8	
Anthracene	**0.019 U**	ug/L	0.46	0.019	1	06/09/23 21:45	06/12/23 22:11	120-12-7	
Benzo(a)anthracene	**0.019 U**	ug/L	0.093	0.019	1	06/09/23 21:45	06/12/23 22:11	56-55-3	
Benzo(a)pyrene	**0.020 U**	ug/L	0.19	0.020	1	06/09/23 21:45	06/12/23 22:11	50-32-8	
Benzo(b)fluoranthene	**0.025 U**	ug/L	0.093	0.025	1	06/09/23 21:45	06/12/23 22:11	205-99-2	
Benzo(g,h,i)perylene	**0.021 U**	ug/L	0.46	0.021	1	06/09/23 21:45	06/12/23 22:11	191-24-2	
Benzo(k)fluoranthene	**0.022 U**	ug/L	0.46	0.022	1	06/09/23 21:45	06/12/23 22:11	207-08-9	
Chrysene	**0.024 U**	ug/L	0.46	0.024	1	06/09/23 21:45	06/12/23 22:11	218-01-9	
Dibenz(a,h)anthracene	**0.023 U**	ug/L	0.14	0.023	1	06/09/23 21:45	06/12/23 22:11	53-70-3	
Fluoranthene	**0.017 U**	ug/L	0.46	0.017	1	06/09/23 21:45	06/12/23 22:11	206-44-0	
Fluorene	**0.11 I**	ug/L	0.46	0.016	1	06/09/23 21:45	06/12/23 22:11	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.022 U**	ug/L	0.14	0.022	1	06/09/23 21:45	06/12/23 22:11	193-39-5	
1-Methylnaphthalene	**7.9**	ug/L	1.9	0.036	1	06/09/23 21:45	06/12/23 22:11	90-12-0	
2-Methylnaphthalene	**16.9**	ug/L	1.9	0.063	1	06/09/23 21:45	06/12/23 22:11	91-57-6	
Naphthalene	**2.9**	ug/L	1.9	0.27	1	06/09/23 21:45	06/12/23 22:11	91-20-3	
Phenanthrene	**0.018 U**	ug/L	0.46	0.018	1	06/09/23 21:45	06/12/23 22:11	85-01-8	
Pyrene	**0.030 U**	ug/L	0.46	0.030	1	06/09/23 21:45	06/12/23 22:11	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	80	%	32-100		1	06/09/23 21:45	06/12/23 22:11	321-60-8	
p-Terphenyl-d14 (S)	88	%	48-112		1	06/09/23 21:45	06/12/23 22:11	1718-51-0	
8260 MSV, Short List	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Benzene	**0.30 U**	ug/L	1.0	0.30	1		06/12/23 04:25	71-43-2	
Ethylbenzene	**7.5**	ug/L	1.0	0.30	1		06/12/23 04:25	100-41-4	
Methyl-tert-butyl ether	**1.2 U**	ug/L	5.0	1.2	1		06/12/23 04:25	1634-04-4	
Toluene	**0.35 I**	ug/L	1.0	0.33	1		06/12/23 04:25	108-88-3	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		06/12/23 04:25	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		06/12/23 04:25	460-00-4	
Toluene-d8 (S)	103	%	70-130		1		06/12/23 04:25	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		06/12/23 04:25	2199-69-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: Tropical Chervon
Pace Project No.: 35805135

Sample: IW-2 **Lab ID: 35805135008** Collected: 06/08/23 13:02 Received: 06/08/23 18:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
FL-PRO Water, Low Volume	Analytical Method: FL-PRO Preparation Method: EPA 3510 Pace Analytical Services - Ormond Beach								
Petroleum Range Organics	**0.73 U**	mg/L	0.91	0.73	1	06/11/23 16:15	06/13/23 13:00		
Surrogates									
o-Terphenyl (S)	77	%	66-139		1	06/11/23 16:15	06/13/23 13:00	84-15-1	
N-Pentatriacontane (S)	83	%	42-159		1	06/11/23 16:15	06/13/23 13:00	630-07-09	
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510 Pace Analytical Services - Ormond Beach								
Acenaphthene	**0.16 I**	ug/L	0.45	0.017	1	06/09/23 21:45	06/12/23 22:31	83-32-9	
Acenaphthylene	**0.028 U**	ug/L	0.45	0.028	1	06/09/23 21:45	06/12/23 22:31	208-96-8	
Anthracene	**0.018 U**	ug/L	0.45	0.018	1	06/09/23 21:45	06/12/23 22:31	120-12-7	
Benzo(a)anthracene	**0.018 U**	ug/L	0.091	0.018	1	06/09/23 21:45	06/12/23 22:31	56-55-3	
Benzo(a)pyrene	**0.019 U**	ug/L	0.18	0.019	1	06/09/23 21:45	06/12/23 22:31	50-32-8	
Benzo(b)fluoranthene	**0.025 U**	ug/L	0.091	0.025	1	06/09/23 21:45	06/12/23 22:31	205-99-2	
Benzo(g,h,i)perylene	**0.021 U**	ug/L	0.45	0.021	1	06/09/23 21:45	06/12/23 22:31	191-24-2	
Benzo(k)fluoranthene	**0.022 U**	ug/L	0.45	0.022	1	06/09/23 21:45	06/12/23 22:31	207-08-9	
Chrysene	**0.024 U**	ug/L	0.45	0.024	1	06/09/23 21:45	06/12/23 22:31	218-01-9	
Dibenz(a,h)anthracene	**0.023 U**	ug/L	0.14	0.023	1	06/09/23 21:45	06/12/23 22:31	53-70-3	
Fluoranthene	**0.016 U**	ug/L	0.45	0.016	1	06/09/23 21:45	06/12/23 22:31	206-44-0	
Fluorene	**0.060 I**	ug/L	0.45	0.015	1	06/09/23 21:45	06/12/23 22:31	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.022 U**	ug/L	0.14	0.022	1	06/09/23 21:45	06/12/23 22:31	193-39-5	
1-Methylnaphthalene	**0.31 I**	ug/L	1.8	0.035	1	06/09/23 21:45	06/12/23 22:31	90-12-0	
2-Methylnaphthalene	**0.093 I**	ug/L	1.8	0.062	1	06/09/23 21:45	06/12/23 22:31	91-57-6	
Naphthalene	**2.1**	ug/L	1.8	0.26	1	06/09/23 21:45	06/12/23 22:31	91-20-3	
Phenanthrene	**0.017 U**	ug/L	0.45	0.017	1	06/09/23 21:45	06/12/23 22:31	85-01-8	
Pyrene	**0.029 U**	ug/L	0.45	0.029	1	06/09/23 21:45	06/12/23 22:31	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	80	%	32-100		1	06/09/23 21:45	06/12/23 22:31	321-60-8	
p-Terphenyl-d14 (S)	89	%	48-112		1	06/09/23 21:45	06/12/23 22:31	1718-51-0	
8260 MSV, Short List	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Benzene	**0.30 U**	ug/L	1.0	0.30	1		06/12/23 05:12	71-43-2	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		06/12/23 05:12	100-41-4	
Methyl-tert-butyl ether	**1.2 U**	ug/L	5.0	1.2	1		06/12/23 05:12	1634-04-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		06/12/23 05:12	108-88-3	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		06/12/23 05:12	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		06/12/23 05:12	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		06/12/23 05:12	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		06/12/23 05:12	2199-69-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Tropical Chervon
Pace Project No.: 35805135

Sample: IW-7 **Lab ID: 35805135009** Collected: 06/08/23 09:36 Received: 06/08/23 18:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
	Pace Analytical Services - Ormond Beach								
Acenaphthene	**0.041 I**	ug/L	0.45	0.017	1	06/09/23 21:45	06/12/23 22:52	83-32-9	
Acenaphthylene	**0.028 U**	ug/L	0.45	0.028	1	06/09/23 21:45	06/12/23 22:52	208-96-8	
Anthracene	**0.033 I**	ug/L	0.45	0.018	1	06/09/23 21:45	06/12/23 22:52	120-12-7	
Benzo(a)anthracene	**0.51**	ug/L	0.090	0.018	1	06/09/23 21:45	06/12/23 22:52	56-55-3	
Benzo(a)pyrene	**0.67**	ug/L	0.18	0.019	1	06/09/23 21:45	06/12/23 22:52	50-32-8	
Benzo(b)fluoranthene	**1.1**	ug/L	0.090	0.024	1	06/09/23 21:45	06/12/23 22:52	205-99-2	
Benzo(g,h,i)perylene	**0.54**	ug/L	0.45	0.021	1	06/09/23 21:45	06/12/23 22:52	191-24-2	
Benzo(k)fluoranthene	**0.46**	ug/L	0.45	0.022	1	06/09/23 21:45	06/12/23 22:52	207-08-9	
Chrysene	**0.81**	ug/L	0.45	0.023	1	06/09/23 21:45	06/12/23 22:52	218-01-9	
Dibenz(a,h)anthracene	**0.13 I**	ug/L	0.13	0.022	1	06/09/23 21:45	06/12/23 22:52	53-70-3	
Fluoranthene	**1.5**	ug/L	0.45	0.016	1	06/09/23 21:45	06/12/23 22:52	206-44-0	
Fluorene	**0.021 I**	ug/L	0.45	0.015	1	06/09/23 21:45	06/12/23 22:52	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.48**	ug/L	0.13	0.022	1	06/09/23 21:45	06/12/23 22:52	193-39-5	
1-Methylnaphthalene	**0.20 I**	ug/L	1.8	0.035	1	06/09/23 21:45	06/12/23 22:52	90-12-0	
2-Methylnaphthalene	**0.16 I**	ug/L	1.8	0.061	1	06/09/23 21:45	06/12/23 22:52	91-57-6	
Naphthalene	**0.52 I**	ug/L	1.8	0.26	1	06/09/23 21:45	06/12/23 22:52	91-20-3	
Phenanthrene	**0.51**	ug/L	0.45	0.017	1	06/09/23 21:45	06/12/23 22:52	85-01-8	
Pyrene	**1.2**	ug/L	0.45	0.029	1	06/09/23 21:45	06/12/23 22:52	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	86	%	32-100		1	06/09/23 21:45	06/12/23 22:52	321-60-8	
p-Terphenyl-d14 (S)	94	%	48-112		1	06/09/23 21:45	06/12/23 22:52	1718-51-0	
8260 MSV, Short List	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Benzene	**0.30 U**	ug/L	1.0	0.30	1		06/12/23 14:17	71-43-2	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		06/12/23 14:17	100-41-4	
Methyl-tert-butyl ether	**1.2 U**	ug/L	5.0	1.2	1		06/12/23 14:17	1634-04-4	
Toluene	**0.35 I**	ug/L	1.0	0.33	1		06/12/23 14:17	108-88-3	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		06/12/23 14:17	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		06/12/23 14:17	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		06/12/23 14:17	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		06/12/23 14:17	2199-69-1	

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Tropical Chervon
Pace Project No.: 35805135

Sample: IW-11 **Lab ID: 35805135010** Collected: 06/08/23 11:02 Received: 06/08/23 18:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510 Pace Analytical Services - Ormond Beach								
Acenaphthene	**0.074 I**	ug/L	0.45	0.017	1	06/09/23 21:45	06/12/23 23:12	83-32-9	
Acenaphthylene	**0.028 U**	ug/L	0.45	0.028	1	06/09/23 21:45	06/12/23 23:12	208-96-8	
Anthracene	**0.018 U**	ug/L	0.45	0.018	1	06/09/23 21:45	06/12/23 23:12	120-12-7	
Benzo(a)anthracene	**0.018 U**	ug/L	0.090	0.018	1	06/09/23 21:45	06/12/23 23:12	56-55-3	
Benzo(a)pyrene	**0.019 U**	ug/L	0.18	0.019	1	06/09/23 21:45	06/12/23 23:12	50-32-8	
Benzo(b)fluoranthene	**0.024 U**	ug/L	0.090	0.024	1	06/09/23 21:45	06/12/23 23:12	205-99-2	
Benzo(g,h,i)perylene	**0.021 U**	ug/L	0.45	0.021	1	06/09/23 21:45	06/12/23 23:12	191-24-2	
Benzo(k)fluoranthene	**0.022 U**	ug/L	0.45	0.022	1	06/09/23 21:45	06/12/23 23:12	207-08-9	
Chrysene	**0.023 U**	ug/L	0.45	0.023	1	06/09/23 21:45	06/12/23 23:12	218-01-9	
Dibenz(a,h)anthracene	**0.023 U**	ug/L	0.14	0.023	1	06/09/23 21:45	06/12/23 23:12	53-70-3	
Fluoranthene	**0.016 U**	ug/L	0.45	0.016	1	06/09/23 21:45	06/12/23 23:12	206-44-0	
Fluorene	**0.015 U**	ug/L	0.45	0.015	1	06/09/23 21:45	06/12/23 23:12	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.022 U**	ug/L	0.14	0.022	1	06/09/23 21:45	06/12/23 23:12	193-39-5	
1-Methylnaphthalene	**8.6**	ug/L	1.8	0.035	1	06/09/23 21:45	06/12/23 23:12	90-12-0	
2-Methylnaphthalene	**0.78 I**	ug/L	1.8	0.062	1	06/09/23 21:45	06/12/23 23:12	91-57-6	
Naphthalene	**0.82 I**	ug/L	1.8	0.26	1	06/09/23 21:45	06/12/23 23:12	91-20-3	
Phenanthrene	**0.017 U**	ug/L	0.45	0.017	1	06/09/23 21:45	06/12/23 23:12	85-01-8	
Pyrene	**0.029 U**	ug/L	0.45	0.029	1	06/09/23 21:45	06/12/23 23:12	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	88	%	32-100		1	06/09/23 21:45	06/12/23 23:12	321-60-8	
p-Terphenyl-d14 (S)	87	%	48-112		1	06/09/23 21:45	06/12/23 23:12	1718-51-0	
8260 MSV, Short List	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Benzene	**0.30 U**	ug/L	1.0	0.30	1		06/12/23 14:40	71-43-2	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		06/12/23 14:40	100-41-4	
Methyl-tert-butyl ether	**1.2 U**	ug/L	5.0	1.2	1		06/12/23 14:40	1634-04-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		06/12/23 14:40	108-88-3	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		06/12/23 14:40	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		06/12/23 14:40	460-00-4	
Toluene-d8 (S)	103	%	70-130		1		06/12/23 14:40	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		06/12/23 14:40	2199-69-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Tropical Chervon
Pace Project No.: 35805135

Sample: IW-16 **Lab ID: 35805135011** Collected: 06/08/23 07:50 Received: 06/08/23 18:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510 Pace Analytical Services - Ormond Beach								
Acenaphthene	**0.018 U**	ug/L	0.47	0.018	1	06/09/23 21:45	06/12/23 23:32	83-32-9	
Acenaphthylene	**0.029 U**	ug/L	0.47	0.029	1	06/09/23 21:45	06/12/23 23:32	208-96-8	
Anthracene	**0.019 U**	ug/L	0.47	0.019	1	06/09/23 21:45	06/12/23 23:32	120-12-7	
Benzo(a)anthracene	**0.019 U**	ug/L	0.094	0.019	1	06/09/23 21:45	06/12/23 23:32	56-55-3	
Benzo(a)pyrene	**0.020 U**	ug/L	0.19	0.020	1	06/09/23 21:45	06/12/23 23:32	50-32-8	
Benzo(b)fluoranthene	**0.025 U**	ug/L	0.094	0.025	1	06/09/23 21:45	06/12/23 23:32	205-99-2	
Benzo(g,h,i)perylene	**0.022 U**	ug/L	0.47	0.022	1	06/09/23 21:45	06/12/23 23:32	191-24-2	
Benzo(k)fluoranthene	**0.023 U**	ug/L	0.47	0.023	1	06/09/23 21:45	06/12/23 23:32	207-08-9	
Chrysene	**0.024 U**	ug/L	0.47	0.024	1	06/09/23 21:45	06/12/23 23:32	218-01-9	
Dibenz(a,h)anthracene	**0.023 U**	ug/L	0.14	0.023	1	06/09/23 21:45	06/12/23 23:32	53-70-3	
Fluoranthene	**0.017 U**	ug/L	0.47	0.017	1	06/09/23 21:45	06/12/23 23:32	206-44-0	
Fluorene	**0.016 U**	ug/L	0.47	0.016	1	06/09/23 21:45	06/12/23 23:32	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.023 U**	ug/L	0.14	0.023	1	06/09/23 21:45	06/12/23 23:32	193-39-5	
1-Methylnaphthalene	**0.036 U**	ug/L	1.9	0.036	1	06/09/23 21:45	06/12/23 23:32	90-12-0	
2-Methylnaphthalene	**0.064 U**	ug/L	1.9	0.064	1	06/09/23 21:45	06/12/23 23:32	91-57-6	
Naphthalene	**0.27 U**	ug/L	1.9	0.27	1	06/09/23 21:45	06/12/23 23:32	91-20-3	
Phenanthrene	**0.018 U**	ug/L	0.47	0.018	1	06/09/23 21:45	06/12/23 23:32	85-01-8	
Pyrene	**0.030 U**	ug/L	0.47	0.030	1	06/09/23 21:45	06/12/23 23:32	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	68	%	32-100		1	06/09/23 21:45	06/12/23 23:32	321-60-8	
p-Terphenyl-d14 (S)	70	%	48-112		1	06/09/23 21:45	06/12/23 23:32	1718-51-0	
8260 MSV, Short List	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Benzene	**0.30 U**	ug/L	1.0	0.30	1		06/12/23 15:03	71-43-2	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		06/12/23 15:03	100-41-4	
Methyl-tert-butyl ether	**1.2 U**	ug/L	5.0	1.2	1		06/12/23 15:03	1634-04-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		06/12/23 15:03	108-88-3	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		06/12/23 15:03	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		06/12/23 15:03	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		06/12/23 15:03	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		06/12/23 15:03	2199-69-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Tropical Chervon
Pace Project No.: 35805135

Sample: IW-17 **Lab ID: 35805135012** Collected: 06/08/23 10:50 Received: 06/08/23 18:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510 Pace Analytical Services - Ormond Beach								
Acenaphthene	**0.018 U**	ug/L	0.48	0.018	1	06/09/23 21:45	06/12/23 23:53	83-32-9	
Acenaphthylene	**0.029 U**	ug/L	0.48	0.029	1	06/09/23 21:45	06/12/23 23:53	208-96-8	
Anthracene	**0.019 U**	ug/L	0.48	0.019	1	06/09/23 21:45	06/12/23 23:53	120-12-7	
Benzo(a)anthracene	**0.019 U**	ug/L	0.095	0.019	1	06/09/23 21:45	06/12/23 23:53	56-55-3	
Benzo(a)pyrene	**0.020 U**	ug/L	0.19	0.020	1	06/09/23 21:45	06/12/23 23:53	50-32-8	
Benzo(b)fluoranthene	**0.026 U**	ug/L	0.095	0.026	1	06/09/23 21:45	06/12/23 23:53	205-99-2	
Benzo(g,h,i)perylene	**0.022 U**	ug/L	0.48	0.022	1	06/09/23 21:45	06/12/23 23:53	191-24-2	
Benzo(k)fluoranthene	**0.023 U**	ug/L	0.48	0.023	1	06/09/23 21:45	06/12/23 23:53	207-08-9	
Chrysene	**0.025 U**	ug/L	0.48	0.025	1	06/09/23 21:45	06/12/23 23:53	218-01-9	
Dibenz(a,h)anthracene	**0.024 U**	ug/L	0.14	0.024	1	06/09/23 21:45	06/12/23 23:53	53-70-3	
Fluoranthene	**0.017 U**	ug/L	0.48	0.017	1	06/09/23 21:45	06/12/23 23:53	206-44-0	
Fluorene	**0.016 U**	ug/L	0.48	0.016	1	06/09/23 21:45	06/12/23 23:53	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.023 U**	ug/L	0.14	0.023	1	06/09/23 21:45	06/12/23 23:53	193-39-5	
1-Methylnaphthalene	**0.60 I**	ug/L	1.9	0.037	1	06/09/23 21:45	06/12/23 23:53	90-12-0	
2-Methylnaphthalene	**0.90 I**	ug/L	1.9	0.065	1	06/09/23 21:45	06/12/23 23:53	91-57-6	
Naphthalene	**6.8**	ug/L	1.9	0.28	1	06/09/23 21:45	06/12/23 23:53	91-20-3	
Phenanthrene	**0.018 U**	ug/L	0.48	0.018	1	06/09/23 21:45	06/12/23 23:53	85-01-8	
Pyrene	**0.030 U**	ug/L	0.48	0.030	1	06/09/23 21:45	06/12/23 23:53	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	84	%	32-100		1	06/09/23 21:45	06/12/23 23:53	321-60-8	
p-Terphenyl-d14 (S)	88	%	48-112		1	06/09/23 21:45	06/12/23 23:53	1718-51-0	
8260 MSV, Short List	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Benzene	**0.30 U**	ug/L	1.0	0.30	1		06/12/23 15:26	71-43-2	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		06/12/23 15:26	100-41-4	
Methyl-tert-butyl ether	**1.2 U**	ug/L	5.0	1.2	1		06/12/23 15:26	1634-04-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		06/12/23 15:26	108-88-3	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		06/12/23 15:26	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		06/12/23 15:26	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		06/12/23 15:26	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		06/12/23 15:26	2199-69-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Tropical Chervon
Pace Project No.: 35805135

Sample: IW-18 **Lab ID: 35805135013** Collected: 06/08/23 11:22 Received: 06/08/23 18:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510 Pace Analytical Services - Ormond Beach								
Acenaphthene	**0.017 U**	ug/L	0.45	0.017	1	06/09/23 21:45	06/13/23 00:13	83-32-9	
Acenaphthylene	**0.028 U**	ug/L	0.45	0.028	1	06/09/23 21:45	06/13/23 00:13	208-96-8	
Anthracene	**0.018 U**	ug/L	0.45	0.018	1	06/09/23 21:45	06/13/23 00:13	120-12-7	
Benzo(a)anthracene	**0.018 U**	ug/L	0.090	0.018	1	06/09/23 21:45	06/13/23 00:13	56-55-3	
Benzo(a)pyrene	**0.019 U**	ug/L	0.18	0.019	1	06/09/23 21:45	06/13/23 00:13	50-32-8	
Benzo(b)fluoranthene	**0.024 U**	ug/L	0.090	0.024	1	06/09/23 21:45	06/13/23 00:13	205-99-2	
Benzo(g,h,i)perylene	**0.021 U**	ug/L	0.45	0.021	1	06/09/23 21:45	06/13/23 00:13	191-24-2	
Benzo(k)fluoranthene	**0.022 U**	ug/L	0.45	0.022	1	06/09/23 21:45	06/13/23 00:13	207-08-9	
Chrysene	**0.023 U**	ug/L	0.45	0.023	1	06/09/23 21:45	06/13/23 00:13	218-01-9	
Dibenz(a,h)anthracene	**0.023 U**	ug/L	0.14	0.023	1	06/09/23 21:45	06/13/23 00:13	53-70-3	
Fluoranthene	**0.016 U**	ug/L	0.45	0.016	1	06/09/23 21:45	06/13/23 00:13	206-44-0	
Fluorene	**0.015 U**	ug/L	0.45	0.015	1	06/09/23 21:45	06/13/23 00:13	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.022 U**	ug/L	0.14	0.022	1	06/09/23 21:45	06/13/23 00:13	193-39-5	
1-Methylnaphthalene	**1.7 I**	ug/L	1.8	0.035	1	06/09/23 21:45	06/13/23 00:13	90-12-0	
2-Methylnaphthalene	**2.8**	ug/L	1.8	0.062	1	06/09/23 21:45	06/13/23 00:13	91-57-6	
Naphthalene	**9.1**	ug/L	1.8	0.26	1	06/09/23 21:45	06/13/23 00:13	91-20-3	
Phenanthrene	**0.017 U**	ug/L	0.45	0.017	1	06/09/23 21:45	06/13/23 00:13	85-01-8	
Pyrene	**0.029 U**	ug/L	0.45	0.029	1	06/09/23 21:45	06/13/23 00:13	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	78	%	32-100		1	06/09/23 21:45	06/13/23 00:13	321-60-8	
p-Terphenyl-d14 (S)	82	%	48-112		1	06/09/23 21:45	06/13/23 00:13	1718-51-0	
8260 MSV, Short List	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Benzene	**0.30 U**	ug/L	1.0	0.30	1		06/12/23 15:49	71-43-2	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		06/12/23 15:49	100-41-4	
Methyl-tert-butyl ether	**1.2 U**	ug/L	5.0	1.2	1		06/12/23 15:49	1634-04-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		06/12/23 15:49	108-88-3	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		06/12/23 15:49	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		06/12/23 15:49	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		06/12/23 15:49	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		06/12/23 15:49	2199-69-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Tropical Chervon
Pace Project No.: 35805135

Sample: IW-19 **Lab ID: 35805135014** Collected: 06/08/23 12:27 Received: 06/08/23 18:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV, Short List	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Benzene	**0.30 U**	ug/L	1.0	0.30	1		06/12/23 16:11	71-43-2	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		06/12/23 16:11	100-41-4	
Methyl-tert-butyl ether	**1.2 U**	ug/L	5.0	1.2	1		06/12/23 16:11	1634-04-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		06/12/23 16:11	108-88-3	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		06/12/23 16:11	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		06/12/23 16:11	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		06/12/23 16:11	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		06/12/23 16:11	2199-69-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Tropical Chervon
Pace Project No.: 35805135

Sample: IW-20 **Lab ID: 35805135015** Collected: 06/08/23 12:58 Received: 06/08/23 18:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510 Pace Analytical Services - Ormond Beach								
Acenaphthene	**0.017 U**	ug/L	0.46	0.017	1	06/09/23 21:45	06/13/23 00:33	83-32-9	
Acenaphthylene	**0.028 U**	ug/L	0.46	0.028	1	06/09/23 21:45	06/13/23 00:33	208-96-8	
Anthracene	**0.018 U**	ug/L	0.46	0.018	1	06/09/23 21:45	06/13/23 00:33	120-12-7	
Benzo(a)anthracene	**0.018 U**	ug/L	0.091	0.018	1	06/09/23 21:45	06/13/23 00:33	56-55-3	
Benzo(a)pyrene	**0.019 U**	ug/L	0.18	0.019	1	06/09/23 21:45	06/13/23 00:33	50-32-8	
Benzo(b)fluoranthene	**0.025 U**	ug/L	0.091	0.025	1	06/09/23 21:45	06/13/23 00:33	205-99-2	
Benzo(g,h,i)perylene	**0.021 U**	ug/L	0.46	0.021	1	06/09/23 21:45	06/13/23 00:33	191-24-2	
Benzo(k)fluoranthene	**0.022 U**	ug/L	0.46	0.022	1	06/09/23 21:45	06/13/23 00:33	207-08-9	
Chrysene	**0.024 U**	ug/L	0.46	0.024	1	06/09/23 21:45	06/13/23 00:33	218-01-9	
Dibenz(a,h)anthracene	**0.023 U**	ug/L	0.14	0.023	1	06/09/23 21:45	06/13/23 00:33	53-70-3	
Fluoranthene	**0.016 U**	ug/L	0.46	0.016	1	06/09/23 21:45	06/13/23 00:33	206-44-0	
Fluorene	**0.016 U**	ug/L	0.46	0.016	1	06/09/23 21:45	06/13/23 00:33	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.022 U**	ug/L	0.14	0.022	1	06/09/23 21:45	06/13/23 00:33	193-39-5	
1-Methylnaphthalene	**1.5 I**	ug/L	1.8	0.035	1	06/09/23 21:45	06/13/23 00:33	90-12-0	
2-Methylnaphthalene	**2.3**	ug/L	1.8	0.062	1	06/09/23 21:45	06/13/23 00:33	91-57-6	
Naphthalene	**17.0**	ug/L	1.8	0.26	1	06/09/23 21:45	06/13/23 00:33	91-20-3	
Phenanthrene	**0.017 U**	ug/L	0.46	0.017	1	06/09/23 21:45	06/13/23 00:33	85-01-8	
Pyrene	**0.029 U**	ug/L	0.46	0.029	1	06/09/23 21:45	06/13/23 00:33	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	79	%	32-100		1	06/09/23 21:45	06/13/23 00:33	321-60-8	
p-Terphenyl-d14 (S)	83	%	48-112		1	06/09/23 21:45	06/13/23 00:33	1718-51-0	
8260 MSV, Short List	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Benzene	**0.46 I**	ug/L	1.0	0.30	1		06/12/23 16:34	71-43-2	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		06/12/23 16:34	100-41-4	
Methyl-tert-butyl ether	**1.2 U**	ug/L	5.0	1.2	1		06/12/23 16:34	1634-04-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		06/12/23 16:34	108-88-3	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		06/12/23 16:34	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		06/12/23 16:34	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		06/12/23 16:34	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		06/12/23 16:34	2199-69-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Tropical Chervon
Pace Project No.: 35805135

Sample: IW-21 **Lab ID: 35805135016** Collected: 06/08/23 09:50 Received: 06/08/23 18:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510 Pace Analytical Services - Ormond Beach								
Acenaphthene	**0.041 I**	ug/L	0.46	0.018	1	06/09/23 21:45	06/13/23 00:54	83-32-9	
Acenaphthylene	**0.029 U**	ug/L	0.46	0.029	1	06/09/23 21:45	06/13/23 00:54	208-96-8	
Anthracene	**0.018 U**	ug/L	0.46	0.018	1	06/09/23 21:45	06/13/23 00:54	120-12-7	
Benzo(a)anthracene	**0.018 U**	ug/L	0.092	0.018	1	06/09/23 21:45	06/13/23 00:54	56-55-3	
Benzo(a)pyrene	**0.019 U**	ug/L	0.18	0.019	1	06/09/23 21:45	06/13/23 00:54	50-32-8	
Benzo(b)fluoranthene	**0.025 U**	ug/L	0.092	0.025	1	06/09/23 21:45	06/13/23 00:54	205-99-2	
Benzo(g,h,i)perylene	**0.021 U**	ug/L	0.46	0.021	1	06/09/23 21:45	06/13/23 00:54	191-24-2	
Benzo(k)fluoranthene	**0.022 U**	ug/L	0.46	0.022	1	06/09/23 21:45	06/13/23 00:54	207-08-9	
Chrysene	**0.024 U**	ug/L	0.46	0.024	1	06/09/23 21:45	06/13/23 00:54	218-01-9	
Dibenz(a,h)anthracene	**0.023 U**	ug/L	0.14	0.023	1	06/09/23 21:45	06/13/23 00:54	53-70-3	
Fluoranthene	**0.017 U**	ug/L	0.46	0.017	1	06/09/23 21:45	06/13/23 00:54	206-44-0	
Fluorene	**0.016 U**	ug/L	0.46	0.016	1	06/09/23 21:45	06/13/23 00:54	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.022 U**	ug/L	0.14	0.022	1	06/09/23 21:45	06/13/23 00:54	193-39-5	
1-Methylnaphthalene	**13.4**	ug/L	1.8	0.036	1	06/09/23 21:45	06/13/23 00:54	90-12-0	
2-Methylnaphthalene	**4.0**	ug/L	1.8	0.063	1	06/09/23 21:45	06/13/23 00:54	91-57-6	
Naphthalene	**104**	ug/L	1.8	0.27	1	06/09/23 21:45	06/13/23 00:54	91-20-3	
Phenanthrene	**0.018 U**	ug/L	0.46	0.018	1	06/09/23 21:45	06/13/23 00:54	85-01-8	
Pyrene	**0.030 U**	ug/L	0.46	0.030	1	06/09/23 21:45	06/13/23 00:54	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	90	%	32-100		1	06/09/23 21:45	06/13/23 00:54	321-60-8	
p-Terphenyl-d14 (S)	85	%	48-112		1	06/09/23 21:45	06/13/23 00:54	1718-51-0	
8260 MSV, Short List	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Benzene	**2.3**	ug/L	1.0	0.30	1		06/12/23 16:57	71-43-2	
Ethylbenzene	**1.6**	ug/L	1.0	0.30	1		06/12/23 16:57	100-41-4	
Methyl-tert-butyl ether	**1.2 U**	ug/L	5.0	1.2	1		06/12/23 16:57	1634-04-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		06/12/23 16:57	108-88-3	
Xylene (Total)	**7.3**	ug/L	5.0	2.1	1		06/12/23 16:57	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		06/12/23 16:57	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		06/12/23 16:57	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		06/12/23 16:57	2199-69-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Tropical Chervon
Pace Project No.: 35805135

Sample: IW-22 **Lab ID: 35805135017** Collected: 06/08/23 09:20 Received: 06/08/23 18:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510 Pace Analytical Services - Ormond Beach								
Acenaphthene	**0.017 U**	ug/L	0.46	0.017	1	06/09/23 21:45	06/13/23 01:14	83-32-9	
Acenaphthylene	**0.029 U**	ug/L	0.46	0.029	1	06/09/23 21:45	06/13/23 01:14	208-96-8	
Anthracene	**0.018 U**	ug/L	0.46	0.018	1	06/09/23 21:45	06/13/23 01:14	120-12-7	
Benzo(a)anthracene	**0.018 U**	ug/L	0.092	0.018	1	06/09/23 21:45	06/13/23 01:14	56-55-3	
Benzo(a)pyrene	**0.019 U**	ug/L	0.18	0.019	1	06/09/23 21:45	06/13/23 01:14	50-32-8	
Benzo(b)fluoranthene	**0.025 U**	ug/L	0.092	0.025	1	06/09/23 21:45	06/13/23 01:14	205-99-2	
Benzo(g,h,i)perylene	**0.021 U**	ug/L	0.46	0.021	1	06/09/23 21:45	06/13/23 01:14	191-24-2	
Benzo(k)fluoranthene	**0.022 U**	ug/L	0.46	0.022	1	06/09/23 21:45	06/13/23 01:14	207-08-9	
Chrysene	**0.024 U**	ug/L	0.46	0.024	1	06/09/23 21:45	06/13/23 01:14	218-01-9	
Dibenz(a,h)anthracene	**0.023 U**	ug/L	0.14	0.023	1	06/09/23 21:45	06/13/23 01:14	53-70-3	
Fluoranthene	**0.017 U**	ug/L	0.46	0.017	1	06/09/23 21:45	06/13/23 01:14	206-44-0	
Fluorene	**0.016 U**	ug/L	0.46	0.016	1	06/09/23 21:45	06/13/23 01:14	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.022 U**	ug/L	0.14	0.022	1	06/09/23 21:45	06/13/23 01:14	193-39-5	
1-Methylnaphthalene	**4.3**	ug/L	1.8	0.036	1	06/09/23 21:45	06/13/23 01:14	90-12-0	
2-Methylnaphthalene	**3.0**	ug/L	1.8	0.063	1	06/09/23 21:45	06/13/23 01:14	91-57-6	
Naphthalene	**76.7**	ug/L	1.8	0.27	1	06/09/23 21:45	06/13/23 01:14	91-20-3	
Phenanthrene	**0.017 U**	ug/L	0.46	0.017	1	06/09/23 21:45	06/13/23 01:14	85-01-8	
Pyrene	**0.029 U**	ug/L	0.46	0.029	1	06/09/23 21:45	06/13/23 01:14	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	72	%	32-100		1	06/09/23 21:45	06/13/23 01:14	321-60-8	
p-Terphenyl-d14 (S)	78	%	48-112		1	06/09/23 21:45	06/13/23 01:14	1718-51-0	
8260 MSV, Short List	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Benzene	**14.4**	ug/L	1.0	0.30	1		06/12/23 17:20	71-43-2	
Ethylbenzene	**6.0**	ug/L	1.0	0.30	1		06/12/23 17:20	100-41-4	
Methyl-tert-butyl ether	**3.0 I**	ug/L	5.0	1.2	1		06/12/23 17:20	1634-04-4	
Toluene	**1.3**	ug/L	1.0	0.33	1		06/12/23 17:20	108-88-3	
Xylene (Total)	**83.7**	ug/L	5.0	2.1	1		06/12/23 17:20	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		06/12/23 17:20	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		06/12/23 17:20	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		06/12/23 17:20	2199-69-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Tropical Chervon
Pace Project No.: 35805135

Sample: IW-23 **Lab ID: 35805135018** Collected: 06/08/23 08:50 Received: 06/08/23 18:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510 Pace Analytical Services - Ormond Beach								
Acenaphthene	**0.018 U**	ug/L	0.47	0.018	1	06/09/23 21:45	06/13/23 01:34	83-32-9	
Acenaphthylene	**0.029 U**	ug/L	0.47	0.029	1	06/09/23 21:45	06/13/23 01:34	208-96-8	
Anthracene	**0.019 U**	ug/L	0.47	0.019	1	06/09/23 21:45	06/13/23 01:34	120-12-7	
Benzo(a)anthracene	**0.019 U**	ug/L	0.093	0.019	1	06/09/23 21:45	06/13/23 01:34	56-55-3	
Benzo(a)pyrene	**0.020 U**	ug/L	0.19	0.020	1	06/09/23 21:45	06/13/23 01:34	50-32-8	
Benzo(b)fluoranthene	**0.025 U**	ug/L	0.093	0.025	1	06/09/23 21:45	06/13/23 01:34	205-99-2	
Benzo(g,h,i)perylene	**0.021 U**	ug/L	0.47	0.021	1	06/09/23 21:45	06/13/23 01:34	191-24-2	
Benzo(k)fluoranthene	**0.022 U**	ug/L	0.47	0.022	1	06/09/23 21:45	06/13/23 01:34	207-08-9	
Chrysene	**0.024 U**	ug/L	0.47	0.024	1	06/09/23 21:45	06/13/23 01:34	218-01-9	
Dibenz(a,h)anthracene	**0.023 U**	ug/L	0.14	0.023	1	06/09/23 21:45	06/13/23 01:34	53-70-3	
Fluoranthene	**0.017 U**	ug/L	0.47	0.017	1	06/09/23 21:45	06/13/23 01:34	206-44-0	
Fluorene	**0.016 U**	ug/L	0.47	0.016	1	06/09/23 21:45	06/13/23 01:34	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.022 U**	ug/L	0.14	0.022	1	06/09/23 21:45	06/13/23 01:34	193-39-5	
1-Methylnaphthalene	**3.2**	ug/L	1.9	0.036	1	06/09/23 21:45	06/13/23 01:34	90-12-0	
2-Methylnaphthalene	**3.3**	ug/L	1.9	0.064	1	06/09/23 21:45	06/13/23 01:34	91-57-6	
Naphthalene	**41.0**	ug/L	1.9	0.27	1	06/09/23 21:45	06/13/23 01:34	91-20-3	
Phenanthrene	**0.018 U**	ug/L	0.47	0.018	1	06/09/23 21:45	06/13/23 01:34	85-01-8	
Pyrene	**0.030 U**	ug/L	0.47	0.030	1	06/09/23 21:45	06/13/23 01:34	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	79	%	32-100		1	06/09/23 21:45	06/13/23 01:34	321-60-8	
p-Terphenyl-d14 (S)	85	%	48-112		1	06/09/23 21:45	06/13/23 01:34	1718-51-0	
8260 MSV, Short List	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Benzene	**2.3**	ug/L	1.0	0.30	1		06/12/23 17:42	71-43-2	
Ethylbenzene	**2.7**	ug/L	1.0	0.30	1		06/12/23 17:42	100-41-4	
Methyl-tert-butyl ether	**1.2 U**	ug/L	5.0	1.2	1		06/12/23 17:42	1634-04-4	
Toluene	**0.50 I**	ug/L	1.0	0.33	1		06/12/23 17:42	108-88-3	
Xylene (Total)	**61.7**	ug/L	5.0	2.1	1		06/12/23 17:42	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		06/12/23 17:42	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		06/12/23 17:42	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		06/12/23 17:42	2199-69-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Tropical Chervon
Pace Project No.: 35805135

Sample: IW-24 **Lab ID: 35805135019** Collected: 06/08/23 10:20 Received: 06/08/23 18:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510 Pace Analytical Services - Ormond Beach								
Acenaphthene	**0.018 U**	ug/L	0.48	0.018	1	06/09/23 21:45	06/13/23 01:55	83-32-9	
Acenaphthylene	**0.030 U**	ug/L	0.48	0.030	1	06/09/23 21:45	06/13/23 01:55	208-96-8	
Anthracene	**0.019 U**	ug/L	0.48	0.019	1	06/09/23 21:45	06/13/23 01:55	120-12-7	
Benzo(a)anthracene	**0.019 U**	ug/L	0.095	0.019	1	06/09/23 21:45	06/13/23 01:55	56-55-3	
Benzo(a)pyrene	**0.020 U**	ug/L	0.19	0.020	1	06/09/23 21:45	06/13/23 01:55	50-32-8	
Benzo(b)fluoranthene	**0.026 U**	ug/L	0.095	0.026	1	06/09/23 21:45	06/13/23 01:55	205-99-2	
Benzo(g,h,i)perylene	**0.022 U**	ug/L	0.48	0.022	1	06/09/23 21:45	06/13/23 01:55	191-24-2	
Benzo(k)fluoranthene	**0.023 U**	ug/L	0.48	0.023	1	06/09/23 21:45	06/13/23 01:55	207-08-9	
Chrysene	**0.025 U**	ug/L	0.48	0.025	1	06/09/23 21:45	06/13/23 01:55	218-01-9	
Dibenz(a,h)anthracene	**0.024 U**	ug/L	0.14	0.024	1	06/09/23 21:45	06/13/23 01:55	53-70-3	
Fluoranthene	**0.017 U**	ug/L	0.48	0.017	1	06/09/23 21:45	06/13/23 01:55	206-44-0	
Fluorene	**0.016 U**	ug/L	0.48	0.016	1	06/09/23 21:45	06/13/23 01:55	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.023 U**	ug/L	0.14	0.023	1	06/09/23 21:45	06/13/23 01:55	193-39-5	
1-Methylnaphthalene	**0.95 I**	ug/L	1.9	0.037	1	06/09/23 21:45	06/13/23 01:55	90-12-0	
2-Methylnaphthalene	**1.6 I**	ug/L	1.9	0.065	1	06/09/23 21:45	06/13/23 01:55	91-57-6	
Naphthalene	**2.0**	ug/L	1.9	0.28	1	06/09/23 21:45	06/13/23 01:55	91-20-3	
Phenanthrene	**0.018 U**	ug/L	0.48	0.018	1	06/09/23 21:45	06/13/23 01:55	85-01-8	
Pyrene	**0.031 U**	ug/L	0.48	0.031	1	06/09/23 21:45	06/13/23 01:55	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	60	%	32-100		1	06/09/23 21:45	06/13/23 01:55	321-60-8	
p-Terphenyl-d14 (S)	56	%	48-112		1	06/09/23 21:45	06/13/23 01:55	1718-51-0	
8260 MSV, Short List	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Benzene	**0.30 U**	ug/L	1.0	0.30	1		06/12/23 18:05	71-43-2	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		06/12/23 18:05	100-41-4	
Methyl-tert-butyl ether	**1.2 U**	ug/L	5.0	1.2	1		06/12/23 18:05	1634-04-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		06/12/23 18:05	108-88-3	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		06/12/23 18:05	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		06/12/23 18:05	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		06/12/23 18:05	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		06/12/23 18:05	2199-69-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Tropical Chervon
Pace Project No.: 35805135

Sample: IW-25 **Lab ID: 35805135020** Collected: 06/08/23 11:54 Received: 06/08/23 18:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510 Pace Analytical Services - Ormond Beach								
Acenaphthene	**0.018 U**	ug/L	0.49	0.018	1	06/09/23 21:45	06/13/23 02:15	83-32-9	
Acenaphthylene	**0.030 U**	ug/L	0.49	0.030	1	06/09/23 21:45	06/13/23 02:15	208-96-8	
Anthracene	**0.019 U**	ug/L	0.49	0.019	1	06/09/23 21:45	06/13/23 02:15	120-12-7	
Benzo(a)anthracene	**0.019 U**	ug/L	0.097	0.019	1	06/09/23 21:45	06/13/23 02:15	56-55-3	
Benzo(a)pyrene	**0.020 U**	ug/L	0.19	0.020	1	06/09/23 21:45	06/13/23 02:15	50-32-8	
Benzo(b)fluoranthene	**0.026 U**	ug/L	0.097	0.026	1	06/09/23 21:45	06/13/23 02:15	205-99-2	
Benzo(g,h,i)perylene	**0.022 U**	ug/L	0.49	0.022	1	06/09/23 21:45	06/13/23 02:15	191-24-2	
Benzo(k)fluoranthene	**0.023 U**	ug/L	0.49	0.023	1	06/09/23 21:45	06/13/23 02:15	207-08-9	
Chrysene	**0.025 U**	ug/L	0.49	0.025	1	06/09/23 21:45	06/13/23 02:15	218-01-9	
Dibenz(a,h)anthracene	**0.024 U**	ug/L	0.15	0.024	1	06/09/23 21:45	06/13/23 02:15	53-70-3	
Fluoranthene	**0.018 U**	ug/L	0.49	0.018	1	06/09/23 21:45	06/13/23 02:15	206-44-0	
Fluorene	**0.017 U**	ug/L	0.49	0.017	1	06/09/23 21:45	06/13/23 02:15	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.023 U**	ug/L	0.15	0.023	1	06/09/23 21:45	06/13/23 02:15	193-39-5	
1-Methylnaphthalene	**0.075 I**	ug/L	1.9	0.038	1	06/09/23 21:45	06/13/23 02:15	90-12-0	
2-Methylnaphthalene	**0.090 I**	ug/L	1.9	0.066	1	06/09/23 21:45	06/13/23 02:15	91-57-6	
Naphthalene	**3.2**	ug/L	1.9	0.28	1	06/09/23 21:45	06/13/23 02:15	91-20-3	
Phenanthrene	**0.018 U**	ug/L	0.49	0.018	1	06/09/23 21:45	06/13/23 02:15	85-01-8	
Pyrene	**0.031 U**	ug/L	0.49	0.031	1	06/09/23 21:45	06/13/23 02:15	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	80	%	32-100		1	06/09/23 21:45	06/13/23 02:15	321-60-8	
p-Terphenyl-d14 (S)	84	%	48-112		1	06/09/23 21:45	06/13/23 02:15	1718-51-0	
8260 MSV, Short List	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Benzene	**0.30 U**	ug/L	1.0	0.30	1		06/12/23 18:28	71-43-2	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		06/12/23 18:28	100-41-4	
Methyl-tert-butyl ether	**1.2 U**	ug/L	5.0	1.2	1		06/12/23 18:28	1634-04-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		06/12/23 18:28	108-88-3	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		06/12/23 18:28	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		06/12/23 18:28	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		06/12/23 18:28	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		06/12/23 18:28	2199-69-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Tropical Chervon
Pace Project No.: 35805135

Sample: IW-26 **Lab ID: 35805135021** Collected: 06/08/23 08:20 Received: 06/08/23 18:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510 Pace Analytical Services - Ormond Beach								
Acenaphthene	**0.018 U**	ug/L	0.47	0.018	1	06/10/23 00:45	06/12/23 11:50	83-32-9	
Acenaphthylene	**0.029 U**	ug/L	0.47	0.029	1	06/10/23 00:45	06/12/23 11:50	208-96-8	
Anthracene	**0.019 U**	ug/L	0.47	0.019	1	06/10/23 00:45	06/12/23 11:50	120-12-7	
Benzo(a)anthracene	**0.019 U**	ug/L	0.094	0.019	1	06/10/23 00:45	06/12/23 11:50	56-55-3	
Benzo(a)pyrene	**0.020 U**	ug/L	0.19	0.020	1	06/10/23 00:45	06/12/23 11:50	50-32-8	
Benzo(b)fluoranthene	**0.025 U**	ug/L	0.094	0.025	1	06/10/23 00:45	06/12/23 11:50	205-99-2	
Benzo(g,h,i)perylene	**0.022 U**	ug/L	0.47	0.022	1	06/10/23 00:45	06/12/23 11:50	191-24-2	
Benzo(k)fluoranthene	**0.023 U**	ug/L	0.47	0.023	1	06/10/23 00:45	06/12/23 11:50	207-08-9	
Chrysene	**0.024 U**	ug/L	0.47	0.024	1	06/10/23 00:45	06/12/23 11:50	218-01-9	
Dibenz(a,h)anthracene	**0.023 U**	ug/L	0.14	0.023	1	06/10/23 00:45	06/12/23 11:50	53-70-3	
Fluoranthene	**0.017 U**	ug/L	0.47	0.017	1	06/10/23 00:45	06/12/23 11:50	206-44-0	
Fluorene	**0.016 U**	ug/L	0.47	0.016	1	06/10/23 00:45	06/12/23 11:50	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.023 U**	ug/L	0.14	0.023	1	06/10/23 00:45	06/12/23 11:50	193-39-5	
1-Methylnaphthalene	**0.036 U**	ug/L	1.9	0.036	1	06/10/23 00:45	06/12/23 11:50	90-12-0	
2-Methylnaphthalene	**0.064 U**	ug/L	1.9	0.064	1	06/10/23 00:45	06/12/23 11:50	91-57-6	
Naphthalene	**0.27 U**	ug/L	1.9	0.27	1	06/10/23 00:45	06/12/23 11:50	91-20-3	
Phenanthrene	**0.018 U**	ug/L	0.47	0.018	1	06/10/23 00:45	06/12/23 11:50	85-01-8	
Pyrene	**0.030 U**	ug/L	0.47	0.030	1	06/10/23 00:45	06/12/23 11:50	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	69	%	32-100		1	06/10/23 00:45	06/12/23 11:50	321-60-8	
p-Terphenyl-d14 (S)	75	%	48-112		1	06/10/23 00:45	06/12/23 11:50	1718-51-0	
8260 MSV, Short List	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Benzene	**0.30 U**	ug/L	1.0	0.30	1		06/13/23 03:06	71-43-2	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		06/13/23 03:06	100-41-4	
Methyl-tert-butyl ether	**1.2 U**	ug/L	5.0	1.2	1		06/13/23 03:06	1634-04-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		06/13/23 03:06	108-88-3	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		06/13/23 03:06	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		06/13/23 03:06	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		06/13/23 03:06	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		06/13/23 03:06	2199-69-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Tropical Chervon
Pace Project No.: 35805135

Sample: IW-27 **Lab ID: 35805135022** Collected: 06/08/23 08:08 Received: 06/08/23 18:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
FL-PRO Water, Low Volume	Analytical Method: FL-PRO Preparation Method: EPA 3510 Pace Analytical Services - Ormond Beach								
Petroleum Range Organics	**0.73 U**	mg/L	0.91	0.73	1	06/11/23 16:15	06/13/23 13:14		
Surrogates									
o-Terphenyl (S)	77	%	66-139		1	06/11/23 16:15	06/13/23 13:14	84-15-1	
N-Pentatriacontane (S)	81	%	42-159		1	06/11/23 16:15	06/13/23 13:14	630-07-09	
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510 Pace Analytical Services - Ormond Beach								
Acenaphthene	**0.017 U**	ug/L	0.45	0.017	1	06/10/23 00:45	06/12/23 12:10	83-32-9	
Acenaphthylene	**0.028 U**	ug/L	0.45	0.028	1	06/10/23 00:45	06/12/23 12:10	208-96-8	
Anthracene	**0.018 U**	ug/L	0.45	0.018	1	06/10/23 00:45	06/12/23 12:10	120-12-7	
Benzo(a)anthracene	**0.018 U**	ug/L	0.090	0.018	1	06/10/23 00:45	06/12/23 12:10	56-55-3	
Benzo(a)pyrene	**0.019 U**	ug/L	0.18	0.019	1	06/10/23 00:45	06/12/23 12:10	50-32-8	
Benzo(b)fluoranthene	**0.024 U**	ug/L	0.090	0.024	1	06/10/23 00:45	06/12/23 12:10	205-99-2	
Benzo(g,h,i)perylene	**0.021 U**	ug/L	0.45	0.021	1	06/10/23 00:45	06/12/23 12:10	191-24-2	
Benzo(k)fluoranthene	**0.022 U**	ug/L	0.45	0.022	1	06/10/23 00:45	06/12/23 12:10	207-08-9	
Chrysene	**0.023 U**	ug/L	0.45	0.023	1	06/10/23 00:45	06/12/23 12:10	218-01-9	
Dibenz(a,h)anthracene	**0.023 U**	ug/L	0.14	0.023	1	06/10/23 00:45	06/12/23 12:10	53-70-3	
Fluoranthene	**0.016 U**	ug/L	0.45	0.016	1	06/10/23 00:45	06/12/23 12:10	206-44-0	
Fluorene	**0.015 U**	ug/L	0.45	0.015	1	06/10/23 00:45	06/12/23 12:10	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.022 U**	ug/L	0.14	0.022	1	06/10/23 00:45	06/12/23 12:10	193-39-5	
1-Methylnaphthalene	**0.035 U**	ug/L	1.8	0.035	1	06/10/23 00:45	06/12/23 12:10	90-12-0	
2-Methylnaphthalene	**0.084 I**	ug/L	1.8	0.062	1	06/10/23 00:45	06/12/23 12:10	91-57-6	
Naphthalene	**0.26 U**	ug/L	1.8	0.26	1	06/10/23 00:45	06/12/23 12:10	91-20-3	
Phenanthrene	**0.017 U**	ug/L	0.45	0.017	1	06/10/23 00:45	06/12/23 12:10	85-01-8	
Pyrene	**0.029 U**	ug/L	0.45	0.029	1	06/10/23 00:45	06/12/23 12:10	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	63	%	32-100		1	06/10/23 00:45	06/12/23 12:10	321-60-8	
p-Terphenyl-d14 (S)	78	%	48-112		1	06/10/23 00:45	06/12/23 12:10	1718-51-0	
8260 MSV, Short List	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Benzene	**0.97 I**	ug/L	1.0	0.30	1		06/13/23 03:29	71-43-2	
Ethylbenzene	**7.5**	ug/L	1.0	0.30	1		06/13/23 03:29	100-41-4	
Methyl-tert-butyl ether	**4.4 I**	ug/L	5.0	1.2	1		06/13/23 03:29	1634-04-4	
Toluene	**1.4**	ug/L	1.0	0.33	1		06/13/23 03:29	108-88-3	
Xylene (Total)	**42.5**	ug/L	5.0	2.1	1		06/13/23 03:29	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		06/13/23 03:29	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		06/13/23 03:29	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		06/13/23 03:29	2199-69-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Tropical Chervon
Pace Project No.: 35805135

Sample: IW-28 **Lab ID: 35805135023** Collected: 06/08/23 07:32 Received: 06/08/23 18:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
FL-PRO Water, Low Volume	Analytical Method: FL-PRO Preparation Method: EPA 3510 Pace Analytical Services - Ormond Beach								
Petroleum Range Organics	**0.73 U**	mg/L	0.92	0.73	1	06/11/23 16:15	06/13/23 13:28		
Surrogates									
o-Terphenyl (S)	81	%	66-139		1	06/11/23 16:15	06/13/23 13:28	84-15-1	
N-Pentatriacontane (S)	82	%	42-159		1	06/11/23 16:15	06/13/23 13:28	630-07-09	
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510 Pace Analytical Services - Ormond Beach								
Acenaphthene	**0.017 U**	ug/L	0.45	0.017	1	06/10/23 00:45	06/12/23 12:30	83-32-9	
Acenaphthylene	**0.028 U**	ug/L	0.45	0.028	1	06/10/23 00:45	06/12/23 12:30	208-96-8	
Anthracene	**0.018 U**	ug/L	0.45	0.018	1	06/10/23 00:45	06/12/23 12:30	120-12-7	
Benzo(a)anthracene	**0.018 U**	ug/L	0.090	0.018	1	06/10/23 00:45	06/12/23 12:30	56-55-3	
Benzo(a)pyrene	**0.019 U**	ug/L	0.18	0.019	1	06/10/23 00:45	06/12/23 12:30	50-32-8	
Benzo(b)fluoranthene	**0.024 U**	ug/L	0.090	0.024	1	06/10/23 00:45	06/12/23 12:30	205-99-2	
Benzo(g,h,i)perylene	**0.021 U**	ug/L	0.45	0.021	1	06/10/23 00:45	06/12/23 12:30	191-24-2	
Benzo(k)fluoranthene	**0.022 U**	ug/L	0.45	0.022	1	06/10/23 00:45	06/12/23 12:30	207-08-9	
Chrysene	**0.023 U**	ug/L	0.45	0.023	1	06/10/23 00:45	06/12/23 12:30	218-01-9	
Dibenz(a,h)anthracene	**0.022 U**	ug/L	0.13	0.022	1	06/10/23 00:45	06/12/23 12:30	53-70-3	
Fluoranthene	**0.016 U**	ug/L	0.45	0.016	1	06/10/23 00:45	06/12/23 12:30	206-44-0	
Fluorene	**0.015 U**	ug/L	0.45	0.015	1	06/10/23 00:45	06/12/23 12:30	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.022 U**	ug/L	0.13	0.022	1	06/10/23 00:45	06/12/23 12:30	193-39-5	
1-Methylnaphthalene	**0.035 U**	ug/L	1.8	0.035	1	06/10/23 00:45	06/12/23 12:30	90-12-0	
2-Methylnaphthalene	**0.061 U**	ug/L	1.8	0.061	1	06/10/23 00:45	06/12/23 12:30	91-57-6	
Naphthalene	**0.26 U**	ug/L	1.8	0.26	1	06/10/23 00:45	06/12/23 12:30	91-20-3	
Phenanthrene	**0.017 U**	ug/L	0.45	0.017	1	06/10/23 00:45	06/12/23 12:30	85-01-8	
Pyrene	**0.029 U**	ug/L	0.45	0.029	1	06/10/23 00:45	06/12/23 12:30	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	68	%	32-100		1	06/10/23 00:45	06/12/23 12:30	321-60-8	
p-Terphenyl-d14 (S)	78	%	48-112		1	06/10/23 00:45	06/12/23 12:30	1718-51-0	
8260 MSV, Short List	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Benzene	**0.35 I**	ug/L	1.0	0.30	1		06/13/23 03:52	71-43-2	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		06/13/23 03:52	100-41-4	
Methyl-tert-butyl ether	**12.5**	ug/L	5.0	1.2	1		06/13/23 03:52	1634-04-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		06/13/23 03:52	108-88-3	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		06/13/23 03:52	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		06/13/23 03:52	460-00-4	
Toluene-d8 (S)	97	%	70-130		1		06/13/23 03:52	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		06/13/23 03:52	2199-69-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Tropical Chervon
Pace Project No.: 35805135

Sample: IW-29 **Lab ID: 35805135024** Collected: 06/08/23 06:57 Received: 06/08/23 18:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
FL-PRO Water, Low Volume	Analytical Method: FL-PRO Preparation Method: EPA 3510 Pace Analytical Services - Ormond Beach								
Petroleum Range Organics	**0.73 U**	mg/L	0.91	0.73	1	06/11/23 16:15	06/13/23 13:41		
Surrogates									
o-Terphenyl (S)	82	%	66-139		1	06/11/23 16:15	06/13/23 13:41	84-15-1	
N-Pentatriacontane (S)	86	%	42-159		1	06/11/23 16:15	06/13/23 13:41	630-07-09	
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510 Pace Analytical Services - Ormond Beach								
Acenaphthene	**0.017 U**	ug/L	0.45	0.017	1	06/10/23 00:45	06/12/23 12:50	83-32-9	
Acenaphthylene	**0.028 U**	ug/L	0.45	0.028	1	06/10/23 00:45	06/12/23 12:50	208-96-8	
Anthracene	**0.018 U**	ug/L	0.45	0.018	1	06/10/23 00:45	06/12/23 12:50	120-12-7	
Benzo(a)anthracene	**0.018 U**	ug/L	0.089	0.018	1	06/10/23 00:45	06/12/23 12:50	56-55-3	
Benzo(a)pyrene	**0.019 U**	ug/L	0.18	0.019	1	06/10/23 00:45	06/12/23 12:50	50-32-8	
Benzo(b)fluoranthene	**0.024 U**	ug/L	0.089	0.024	1	06/10/23 00:45	06/12/23 12:50	205-99-2	
Benzo(g,h,i)perylene	**0.021 U**	ug/L	0.45	0.021	1	06/10/23 00:45	06/12/23 12:50	191-24-2	
Benzo(k)fluoranthene	**0.021 U**	ug/L	0.45	0.021	1	06/10/23 00:45	06/12/23 12:50	207-08-9	
Chrysene	**0.023 U**	ug/L	0.45	0.023	1	06/10/23 00:45	06/12/23 12:50	218-01-9	
Dibenz(a,h)anthracene	**0.022 U**	ug/L	0.13	0.022	1	06/10/23 00:45	06/12/23 12:50	53-70-3	
Fluoranthene	**0.016 U**	ug/L	0.45	0.016	1	06/10/23 00:45	06/12/23 12:50	206-44-0	
Fluorene	**0.015 U**	ug/L	0.45	0.015	1	06/10/23 00:45	06/12/23 12:50	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.021 U**	ug/L	0.13	0.021	1	06/10/23 00:45	06/12/23 12:50	193-39-5	
1-Methylnaphthalene	**0.042 I**	ug/L	1.8	0.035	1	06/10/23 00:45	06/12/23 12:50	90-12-0	
2-Methylnaphthalene	**0.069 I**	ug/L	1.8	0.061	1	06/10/23 00:45	06/12/23 12:50	91-57-6	
Naphthalene	**0.26 U**	ug/L	1.8	0.26	1	06/10/23 00:45	06/12/23 12:50	91-20-3	
Phenanthrene	**0.017 U**	ug/L	0.45	0.017	1	06/10/23 00:45	06/12/23 12:50	85-01-8	
Pyrene	**0.029 U**	ug/L	0.45	0.029	1	06/10/23 00:45	06/12/23 12:50	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	59	%	32-100		1	06/10/23 00:45	06/12/23 12:50	321-60-8	
p-Terphenyl-d14 (S)	55	%	48-112		1	06/10/23 00:45	06/12/23 12:50	1718-51-0	
8260 MSV, Short List	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Benzene	**0.30 U**	ug/L	1.0	0.30	1		06/13/23 04:15	71-43-2	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		06/13/23 04:15	100-41-4	
Methyl-tert-butyl ether	**1.2 U**	ug/L	5.0	1.2	1		06/13/23 04:15	1634-04-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		06/13/23 04:15	108-88-3	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		06/13/23 04:15	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		06/13/23 04:15	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		06/13/23 04:15	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		06/13/23 04:15	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Tropical Chervon
Pace Project No.: 35805135

QC Batch: 925036
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35805135003, 35805135004, 35805135005, 35805135006, 35805135007, 35805135008

METHOD BLANK: 5083879 Matrix: Water
Associated Lab Samples: 35805135003, 35805135004, 35805135005, 35805135006, 35805135007, 35805135008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	ug/L	0.30 U	1.0	0.30	06/11/23 21:03	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	06/11/23 21:03	
Methyl-tert-butyl ether	ug/L	1.2 U	5.0	1.2	06/11/23 21:03	
Toluene	ug/L	0.33 U	1.0	0.33	06/11/23 21:03	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	06/11/23 21:03	
1,2-Dichlorobenzene-d4 (S)	%	100	70-130		06/11/23 21:03	
4-Bromofluorobenzene (S)	%	102	70-130		06/11/23 21:03	
Toluene-d8 (S)	%	102	70-130		06/11/23 21:03	

LABORATORY CONTROL SAMPLE: 5083880

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	19.5	97	70-130	
Ethylbenzene	ug/L	20	19.8	99	70-130	
Methyl-tert-butyl ether	ug/L	20	18.2	91	64-124	
Toluene	ug/L	20	19.5	98	70-130	
Xylene (Total)	ug/L	60	59.7	100	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			105	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 5083882

Parameter	Units	35805135008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	0.30 U	20	19.0	95	70-130	
Ethylbenzene	ug/L	0.30 U	20	18.4	92	70-130	
Methyl-tert-butyl ether	ug/L	1.2 U	20	16.3	81	64-124	
Toluene	ug/L	0.33 U	20	18.2	90	70-130	
Xylene (Total)	ug/L	2.1 U	60	54.6	91	70-130	
1,2-Dichlorobenzene-d4 (S)	%				102	70-130	
4-Bromofluorobenzene (S)	%				106	70-130	
Toluene-d8 (S)	%				102	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Tropical Chervon
Pace Project No.: 35805135

SAMPLE DUPLICATE: 5083881

Parameter	Units	35805135007 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	ug/L	0.30 U	0.30 U		40	
Ethylbenzene	ug/L	7.5	7.7	3	40	
Methyl-tert-butyl ether	ug/L	1.2 U	1.2 U		40	
Toluene	ug/L	0.35 I	0.33 I		40	
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	102	103		40	
4-Bromofluorobenzene (S)	%	104	106		40	
Toluene-d8 (S)	%	103	103		40	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Tropical Chervon
Pace Project No.: 35805135

QC Batch: 925134 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35805135009, 35805135010, 35805135011, 35805135012, 35805135013, 35805135014, 35805135015, 35805135016, 35805135017, 35805135018, 35805135019, 35805135020

METHOD BLANK: 5084149 Matrix: Water
Associated Lab Samples: 35805135009, 35805135010, 35805135011, 35805135012, 35805135013, 35805135014, 35805135015, 35805135016, 35805135017, 35805135018, 35805135019, 35805135020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	ug/L	0.30 U	1.0	0.30	06/12/23 10:05	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	06/12/23 10:05	
Methyl-tert-butyl ether	ug/L	1.2 U	5.0	1.2	06/12/23 10:05	
Toluene	ug/L	0.33 U	1.0	0.33	06/12/23 10:05	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	06/12/23 10:05	
1,2-Dichlorobenzene-d4 (S)	%	101	70-130		06/12/23 10:05	
4-Bromofluorobenzene (S)	%	104	70-130		06/12/23 10:05	
Toluene-d8 (S)	%	101	70-130		06/12/23 10:05	

LABORATORY CONTROL SAMPLE: 5084150

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	18.9	94	70-130	
Ethylbenzene	ug/L	20	18.2	91	70-130	
Methyl-tert-butyl ether	ug/L	20	17.6	88	64-124	
Toluene	ug/L	20	18.0	90	70-130	
Xylene (Total)	ug/L	60	54.7	91	70-130	
1,2-Dichlorobenzene-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			105	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 5084152

Parameter	Units	35805076023 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	13.3	20	29.8	82	70-130	
Ethylbenzene	ug/L	6.6	20	23.7	85	70-130	
Methyl-tert-butyl ether	ug/L	1.2 U	20	13.9	69	64-124	
Toluene	ug/L	11.9	20	28.9	85	70-130	
Xylene (Total)	ug/L	30.5	60	80.0	83	70-130	
1,2-Dichlorobenzene-d4 (S)	%				98	70-130	
4-Bromofluorobenzene (S)	%				103	70-130	
Toluene-d8 (S)	%				100	70-130	

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REPORT OF LABORATORY ANALYSIS

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Tropical Chervon
Pace Project No.: 35805135

SAMPLE DUPLICATE: 5084151

Parameter	Units	35805076022 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	ug/L	0.30 U	0.30 U		40	
Ethylbenzene	ug/L	0.30 U	0.30 U		40	
Methyl-tert-butyl ether	ug/L	1.2 U	1.2 U		40	
Toluene	ug/L	0.33 U	0.33 U		40	
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	97	98		40	
4-Bromofluorobenzene (S)	%	101	101		40	
Toluene-d8 (S)	%	102	103		40	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Tropical Chervon
Pace Project No.: 35805135

QC Batch: 925278
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35805135001, 35805135002, 35805135021, 35805135022, 35805135023, 35805135024

METHOD BLANK: 5085273 Matrix: Water
Associated Lab Samples: 35805135001, 35805135002, 35805135021, 35805135022, 35805135023, 35805135024

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	ug/L	0.30 U	1.0	0.30	06/13/23 00:25	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	06/13/23 00:25	
Methyl-tert-butyl ether	ug/L	1.2 U	5.0	1.2	06/13/23 00:25	
Toluene	ug/L	0.33 U	1.0	0.33	06/13/23 00:25	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	06/13/23 00:25	
1,2-Dichlorobenzene-d4 (S)	%	98	70-130		06/13/23 00:25	
4-Bromofluorobenzene (S)	%	103	70-130		06/13/23 00:25	
Toluene-d8 (S)	%	99	70-130		06/13/23 00:25	

LABORATORY CONTROL SAMPLE: 5085274

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	19.5	97	70-130	
Ethylbenzene	ug/L	20	17.9	90	70-130	
Methyl-tert-butyl ether	ug/L	20	20.2	101	64-124	
Toluene	ug/L	20	18.6	93	70-130	
Xylene (Total)	ug/L	60	53.8	90	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			105	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 5085276

Parameter	Units	35805813003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	0.30 U	20	23.9	119	70-130	
Ethylbenzene	ug/L	814	20	642	-859	70-130	J(M1),L
Methyl-tert-butyl ether	ug/L	1.2 U	20	24.6	123	64-124	
Toluene	ug/L	0.40 I	20	23.4	115	70-130	
Xylene (Total)	ug/L	175	60	210	58	70-130	MS
1,2-Dichlorobenzene-d4 (S)	%				100	70-130	
4-Bromofluorobenzene (S)	%				106	70-130	
Toluene-d8 (S)	%				99	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Tropical Chervon
Pace Project No.: 35805135

SAMPLE DUPLICATE: 5085275

Parameter	Units	35805813002 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	ug/L	0.30 U	0.30 U		40	
Ethylbenzene	ug/L	0.30 U	0.30 U		40	
Methyl-tert-butyl ether	ug/L	1.2 U	1.2 U		40	
Toluene	ug/L	0.33 U	0.33 U		40	
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	103	99		40	
4-Bromofluorobenzene (S)	%	103	102		40	
Toluene-d8 (S)	%	98	99		40	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Tropical Chervon
Pace Project No.: 35805135

QC Batch: 924789
QC Batch Method: EPA 3510
Analysis Method: EPA 8270 by SIM
Analysis Description: 8270 Water PAHLV by SIM MSSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35805135001, 35805135007, 35805135008, 35805135009, 35805135010, 35805135011, 35805135012, 35805135013, 35805135015, 35805135016, 35805135017, 35805135018, 35805135019, 35805135020

METHOD BLANK: 5082767 Matrix: Water
Associated Lab Samples: 35805135001, 35805135007, 35805135008, 35805135009, 35805135010, 35805135011, 35805135012, 35805135013, 35805135015, 35805135016, 35805135017, 35805135018, 35805135019, 35805135020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	0.039 U	2.0	0.039	06/12/23 18:47	
2-Methylnaphthalene	ug/L	0.068 U	2.0	0.068	06/12/23 18:47	
Acenaphthene	ug/L	0.019 U	0.50	0.019	06/12/23 18:47	
Acenaphthylene	ug/L	0.031 U	0.50	0.031	06/12/23 18:47	
Anthracene	ug/L	0.020 U	0.50	0.020	06/12/23 18:47	
Benzo(a)anthracene	ug/L	0.020 U	0.10	0.020	06/12/23 18:47	
Benzo(a)pyrene	ug/L	0.021 U	0.20	0.021	06/12/23 18:47	
Benzo(b)fluoranthene	ug/L	0.027 U	0.10	0.027	06/12/23 18:47	
Benzo(g,h,i)perylene	ug/L	0.023 U	0.50	0.023	06/12/23 18:47	
Benzo(k)fluoranthene	ug/L	0.024 U	0.50	0.024	06/12/23 18:47	
Chrysene	ug/L	0.026 U	0.50	0.026	06/12/23 18:47	
Dibenz(a,h)anthracene	ug/L	0.025 U	0.15	0.025	06/12/23 18:47	
Fluoranthene	ug/L	0.018 U	0.50	0.018	06/12/23 18:47	
Fluorene	ug/L	0.017 U	0.50	0.017	06/12/23 18:47	
Indeno(1,2,3-cd)pyrene	ug/L	0.024 U	0.15	0.024	06/12/23 18:47	
Naphthalene	ug/L	0.29 U	2.0	0.29	06/12/23 18:47	
Phenanthrene	ug/L	0.019 U	0.50	0.019	06/12/23 18:47	
Pyrene	ug/L	0.032 U	0.50	0.032	06/12/23 18:47	
2-Fluorobiphenyl (S)	%	100	32-100		06/12/23 18:47	
p-Terphenyl-d14 (S)	%	104	48-112		06/12/23 18:47	

LABORATORY CONTROL SAMPLE: 5082768

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	5	4.0	79	34-103	
2-Methylnaphthalene	ug/L	5	4.2	84	35-100	
Acenaphthene	ug/L	5	3.9	78	38-102	
Acenaphthylene	ug/L	5	3.6	71	35-97	
Anthracene	ug/L	5	4.3	85	46-107	
Benzo(a)anthracene	ug/L	5	4.7	93	55-113	
Benzo(a)pyrene	ug/L	5	4.5	89	51-112	
Benzo(b)fluoranthene	ug/L	5	4.9	98	58-116	
Benzo(g,h,i)perylene	ug/L	5	4.5	90	45-116	
Benzo(k)fluoranthene	ug/L	5	4.5	90	58-118	
Chrysene	ug/L	5	4.7	94	58-120	
Dibenz(a,h)anthracene	ug/L	5	4.6	92	46-114	
Fluoranthene	ug/L	5	4.7	94	54-118	

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QUALITY CONTROL DATA

Project: Tropical Chervon
Pace Project No.: 35805135

LABORATORY CONTROL SAMPLE: 5082768

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluorene	ug/L	5	4.2	84	40-105	
Indeno(1,2,3-cd)pyrene	ug/L	5	4.4	87	46-114	
Naphthalene	ug/L	5	3.7	74	34-97	
Phenanthrene	ug/L	5	4.3	86	47-110	
Pyrene	ug/L	5	4.7	95	54-117	
2-Fluorobiphenyl (S)	%			78	32-100	
p-Terphenyl-d14 (S)	%			88	48-112	

MATRIX SPIKE SAMPLE: 5082769

Parameter	Units	35805133001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	1.5 I	4.7	4.9	72	34-103	
2-Methylnaphthalene	ug/L	1.3 I	4.7	5.0	78	35-100	
Acenaphthene	ug/L	0.027 I	4.7	3.5	75	38-102	
Acenaphthylene	ug/L	0.028 U	4.7	3.2	69	35-97	
Anthracene	ug/L	0.018 U	4.7	3.8	81	46-107	
Benzo(a)anthracene	ug/L	0.018 U	4.7	4.1	88	55-113	
Benzo(a)pyrene	ug/L	0.019 U	4.7	3.9	83	51-112	
Benzo(b)fluoranthene	ug/L	0.024 U	4.7	4.3	91	58-116	
Benzo(g,h,i)perylene	ug/L	0.021 U	4.7	4.0	84	45-116	
Benzo(k)fluoranthene	ug/L	0.022 U	4.7	3.9	83	58-118	
Chrysene	ug/L	0.023 U	4.7	4.1	87	58-120	
Dibenz(a,h)anthracene	ug/L	0.022 U	4.7	4.0	85	46-114	
Fluoranthene	ug/L	0.016 U	4.7	4.2	89	54-118	
Fluorene	ug/L	0.029 I	4.7	3.8	80	40-105	
Indeno(1,2,3-cd)pyrene	ug/L	0.022 U	4.7	3.7	80	46-114	
Naphthalene	ug/L	3.6	4.7	6.6	62	34-97	
Phenanthrene	ug/L	0.017 U	4.7	3.9	83	47-110	
Pyrene	ug/L	0.029 U	4.7	4.2	89	54-117	
2-Fluorobiphenyl (S)	%				77	32-100	
p-Terphenyl-d14 (S)	%				82	48-112	

SAMPLE DUPLICATE: 5082770

Parameter	Units	35805133002 Result	Dup Result	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	ug/L	6.5	6.0	9	40	
2-Methylnaphthalene	ug/L	9.2	8.2	11	40	
Acenaphthene	ug/L	0.039 I	0.034 I		40	
Acenaphthylene	ug/L	0.029 U	0.030 U		40	
Anthracene	ug/L	0.019 U	0.019 U		40	
Benzo(a)anthracene	ug/L	0.019 U	0.019 U		40	
Benzo(a)pyrene	ug/L	0.020 U	0.020 U		40	
Benzo(b)fluoranthene	ug/L	0.026 U	0.026 U		40	
Benzo(g,h,i)perylene	ug/L	0.022 U	0.022 U		40	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Tropical Chervon
Pace Project No.: 35805135

SAMPLE DUPLICATE: 5082770

Parameter	Units	35805133002 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzo(k)fluoranthene	ug/L	0.023 U	0.023 U		40	
Chrysene	ug/L	0.025 U	0.025 U		40	
Dibenz(a,h)anthracene	ug/L	0.024 U	0.024 U		40	
Fluoranthene	ug/L	0.017 U	0.018 U		40	
Fluorene	ug/L	0.036 I	0.031 I		40	
Indeno(1,2,3-cd)pyrene	ug/L	0.023 U	0.023 U		40	
Naphthalene	ug/L	32.1	29.8	7	40	
Phenanthrene	ug/L	0.027 I	0.025 I		40	
Pyrene	ug/L	0.030 U	0.031 U		40	
2-Fluorobiphenyl (S)	%	91	87			
p-Terphenyl-d14 (S)	%	98	95			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Tropical Chervon
Pace Project No.: 35805135

QC Batch: 924790
QC Batch Method: EPA 3510
Analysis Method: EPA 8270 by SIM
Analysis Description: 8270 Water PAHLV by SIM MSSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35805135021, 35805135022, 35805135023, 35805135024

METHOD BLANK: 5082771 Matrix: Water
Associated Lab Samples: 35805135021, 35805135022, 35805135023, 35805135024

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	0.039 U	2.0	0.039	06/12/23 10:30	
2-Methylnaphthalene	ug/L	0.068 U	2.0	0.068	06/12/23 10:30	
Acenaphthene	ug/L	0.019 U	0.50	0.019	06/12/23 10:30	
Acenaphthylene	ug/L	0.031 U	0.50	0.031	06/12/23 10:30	
Anthracene	ug/L	0.020 U	0.50	0.020	06/12/23 10:30	
Benzo(a)anthracene	ug/L	0.020 U	0.10	0.020	06/12/23 10:30	
Benzo(a)pyrene	ug/L	0.021 U	0.20	0.021	06/12/23 10:30	
Benzo(b)fluoranthene	ug/L	0.027 U	0.10	0.027	06/12/23 10:30	
Benzo(g,h,i)perylene	ug/L	0.023 U	0.50	0.023	06/12/23 10:30	
Benzo(k)fluoranthene	ug/L	0.024 U	0.50	0.024	06/12/23 10:30	
Chrysene	ug/L	0.026 U	0.50	0.026	06/12/23 10:30	
Dibenz(a,h)anthracene	ug/L	0.025 U	0.15	0.025	06/12/23 10:30	
Fluoranthene	ug/L	0.018 U	0.50	0.018	06/12/23 10:30	
Fluorene	ug/L	0.017 U	0.50	0.017	06/12/23 10:30	
Indeno(1,2,3-cd)pyrene	ug/L	0.024 U	0.15	0.024	06/12/23 10:30	
Naphthalene	ug/L	0.29 U	2.0	0.29	06/12/23 10:30	
Phenanthrene	ug/L	0.019 U	0.50	0.019	06/12/23 10:30	
Pyrene	ug/L	0.032 U	0.50	0.032	06/12/23 10:30	
2-Fluorobiphenyl (S)	%	74	32-100		06/12/23 10:30	
p-Terphenyl-d14 (S)	%	83	48-112		06/12/23 10:30	

LABORATORY CONTROL SAMPLE: 5082772

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	5	3.5	71	34-103	
2-Methylnaphthalene	ug/L	5	3.7	74	35-100	
Acenaphthene	ug/L	5	3.7	73	38-102	
Acenaphthylene	ug/L	5	3.3	65	35-97	
Anthracene	ug/L	5	4.0	80	46-107	
Benzo(a)anthracene	ug/L	5	4.4	88	55-113	
Benzo(a)pyrene	ug/L	5	4.2	84	51-112	
Benzo(b)fluoranthene	ug/L	5	4.3	87	58-116	
Benzo(g,h,i)perylene	ug/L	5	4.1	83	45-116	
Benzo(k)fluoranthene	ug/L	5	4.1	82	58-118	
Chrysene	ug/L	5	4.3	85	58-120	
Dibenz(a,h)anthracene	ug/L	5	4.2	83	46-114	
Fluoranthene	ug/L	5	4.2	83	54-118	
Fluorene	ug/L	5	3.7	73	40-105	
Indeno(1,2,3-cd)pyrene	ug/L	5	4.0	80	46-114	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Tropical Chervon
Pace Project No.: 35805135

LABORATORY CONTROL SAMPLE: 5082772

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/L	5	3.4	68	34-97	
Phenanthrene	ug/L	5	4.0	80	47-110	
Pyrene	ug/L	5	4.1	82	54-117	
2-Fluorobiphenyl (S)	%			67	32-100	
p-Terphenyl-d14 (S)	%			73	48-112	

MATRIX SPIKE SAMPLE: 5082773

Parameter	Units	35805135021 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	0.036 U	4.8	3.4	70	34-103	
2-Methylnaphthalene	ug/L	0.064 U	4.8	3.5	72	35-100	
Acenaphthene	ug/L	0.018 U	4.8	3.5	72	38-102	
Acenaphthylene	ug/L	0.029 U	4.8	3.1	65	35-97	
Anthracene	ug/L	0.019 U	4.8	3.8	80	46-107	
Benzo(a)anthracene	ug/L	0.019 U	4.8	4.4	91	55-113	
Benzo(a)pyrene	ug/L	0.020 U	4.8	4.1	86	51-112	
Benzo(b)fluoranthene	ug/L	0.025 U	4.8	4.2	87	58-116	
Benzo(g,h,i)perylene	ug/L	0.022 U	4.8	4.0	82	45-116	
Benzo(k)fluoranthene	ug/L	0.023 U	4.8	4.0	84	58-118	
Chrysene	ug/L	0.024 U	4.8	4.1	85	58-120	
Dibenz(a,h)anthracene	ug/L	0.023 U	4.8	4.0	82	46-114	
Fluoranthene	ug/L	0.017 U	4.8	4.1	86	54-118	
Fluorene	ug/L	0.016 U	4.8	3.5	73	40-105	
Indeno(1,2,3-cd)pyrene	ug/L	0.023 U	4.8	3.8	80	46-114	
Naphthalene	ug/L	0.27 U	4.8	3.3	68	34-97	
Phenanthrene	ug/L	0.018 U	4.8	3.8	79	47-110	
Pyrene	ug/L	0.030 U	4.8	4.1	86	54-117	
2-Fluorobiphenyl (S)	%				67	32-100	
p-Terphenyl-d14 (S)	%				73	48-112	

SAMPLE DUPLICATE: 5082774

Parameter	Units	35805135022 Result	Dup Result	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	ug/L	0.035 U	0.035 U		40	
2-Methylnaphthalene	ug/L	0.084 I	0.061 U		40	
Acenaphthene	ug/L	0.017 U	0.017 U		40	
Acenaphthylene	ug/L	0.028 U	0.028 U		40	
Anthracene	ug/L	0.018 U	0.018 U		40	
Benzo(a)anthracene	ug/L	0.018 U	0.018 U		40	
Benzo(a)pyrene	ug/L	0.019 U	0.019 U		40	
Benzo(b)fluoranthene	ug/L	0.024 U	0.024 U		40	
Benzo(g,h,i)perylene	ug/L	0.021 U	0.021 U		40	
Benzo(k)fluoranthene	ug/L	0.022 U	0.021 U		40	
Chrysene	ug/L	0.023 U	0.023 U		40	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Tropical Chervon
Pace Project No.: 35805135

SAMPLE DUPLICATE: 5082774

Parameter	Units	35805135022 Result	Dup Result	RPD	Max RPD	Qualifiers
Dibenz(a,h)anthracene	ug/L	0.023 U	0.022 U		40	
Fluoranthene	ug/L	0.016 U	0.016 U		40	
Fluorene	ug/L	0.015 U	0.015 U		40	
Indeno(1,2,3-cd)pyrene	ug/L	0.022 U	0.021 U		40	
Naphthalene	ug/L	0.26 U	0.26 U		40	
Phenanthrene	ug/L	0.017 U	0.017 U		40	
Pyrene	ug/L	0.029 U	0.029 U		40	
2-Fluorobiphenyl (S)	%	63	49			
p-Terphenyl-d14 (S)	%	78	55			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Tropical Chervon
Pace Project No.: 35805135

QC Batch: 924984
QC Batch Method: EPA 3510
Analysis Method: FL-PRO
Analysis Description: FL-PRO Water Low Volume
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35805135001, 35805135008, 35805135022, 35805135023, 35805135024

METHOD BLANK: 5083774 Matrix: Water
Associated Lab Samples: 35805135001, 35805135008, 35805135022, 35805135023, 35805135024

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Petroleum Range Organics	mg/L	0.80 U	1.0	0.80	06/13/23 10:19	
N-Pentatriacontane (S)	%	75	42-159		06/13/23 10:19	
o-Terphenyl (S)	%	81	66-139		06/13/23 10:19	

LABORATORY CONTROL SAMPLE: 5083775

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Petroleum Range Organics	mg/L	5	4.8	96	66-119	
N-Pentatriacontane (S)	%			85	42-159	
o-Terphenyl (S)	%			84	66-139	

MATRIX SPIKE SAMPLE: 5083776

Parameter	Units	35805133001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Petroleum Range Organics	mg/L	0.79 I	4.6	4.8	88	65-123	
N-Pentatriacontane (S)	%				87	42-159	
o-Terphenyl (S)	%				86	66-139	

SAMPLE DUPLICATE: 5083777

Parameter	Units	35805133002 Result	Dup Result	RPD	Max RPD	Qualifiers
Petroleum Range Organics	mg/L	5.0	4.9	2	20	
N-Pentatriacontane (S)	%	92	83			
o-Terphenyl (S)	%	86	85			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALIFIERS

Project: Tropical Chervon
Pace Project No.: 35805135

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
L	Off-scale high. Actual value is known to be greater than value given.
MS	Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tropical Chervon
Pace Project No.: 35805135

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35805135001	**MW-1RR**	EPA 3510	924984	FL-PRO	925374
35805135008	**IW-2**	EPA 3510	924984	FL-PRO	925374
35805135022	**IW-27**	EPA 3510	924984	FL-PRO	925374
35805135023	**IW-28**	EPA 3510	924984	FL-PRO	925374
35805135024	**IW-29**	EPA 3510	924984	FL-PRO	925374
35805135001	**MW-1RR**	EPA 3510	924789	EPA 8270 by SIM	925237
35805135007	**IW-1**	EPA 3510	924789	EPA 8270 by SIM	925237
35805135008	**IW-2**	EPA 3510	924789	EPA 8270 by SIM	925237
35805135009	**IW-7**	EPA 3510	924789	EPA 8270 by SIM	925237
35805135010	**IW-11**	EPA 3510	924789	EPA 8270 by SIM	925237
35805135011	**IW-16**	EPA 3510	924789	EPA 8270 by SIM	925237
35805135012	**IW-17**	EPA 3510	924789	EPA 8270 by SIM	925237
35805135013	**IW-18**	EPA 3510	924789	EPA 8270 by SIM	925237
35805135015	**IW-20**	EPA 3510	924789	EPA 8270 by SIM	925237
35805135016	**IW-21**	EPA 3510	924789	EPA 8270 by SIM	925237
35805135017	**IW-22**	EPA 3510	924789	EPA 8270 by SIM	925237
35805135018	**IW-23**	EPA 3510	924789	EPA 8270 by SIM	925237
35805135019	**IW-24**	EPA 3510	924789	EPA 8270 by SIM	925237
35805135020	**IW-25**	EPA 3510	924789	EPA 8270 by SIM	925237
35805135021	**IW-26**	EPA 3510	924790	EPA 8270 by SIM	925085
35805135022	**IW-27**	EPA 3510	924790	EPA 8270 by SIM	925085
35805135023	**IW-28**	EPA 3510	924790	EPA 8270 by SIM	925085
35805135024	**IW-29**	EPA 3510	924790	EPA 8270 by SIM	925085
35805135001	**MW-1RR**	EPA 8260	925278		
35805135002	**MW-3R**	EPA 8260	925278		
35805135003	**MW-4R**	EPA 8260	925036		
35805135004	**MW-5R**	EPA 8260	925036		
35805135005	**MW-6R**	EPA 8260	925036		
35805135006	**MW-9R**	EPA 8260	925036		
35805135007	**IW-1**	EPA 8260	925036		
35805135008	**IW-2**	EPA 8260	925036		
35805135009	**IW-7**	EPA 8260	925134		
35805135010	**IW-11**	EPA 8260	925134		
35805135011	**IW-16**	EPA 8260	925134		
35805135012	**IW-17**	EPA 8260	925134		
35805135013	**IW-18**	EPA 8260	925134		
35805135014	**IW-19**	EPA 8260	925134		
35805135015	**IW-20**	EPA 8260	925134		
35805135016	**IW-21**	EPA 8260	925134		
35805135017	**IW-22**	EPA 8260	925134		
35805135018	**IW-23**	EPA 8260	925134		
35805135019	**IW-24**	EPA 8260	925134		
35805135020	**IW-25**	EPA 8260	925134		
35805135021	**IW-26**	EPA 8260	925278		
35805135022	**IW-27**	EPA 8260	925278		
35805135023	**IW-28**	EPA 8260	925278		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tropical Chervon
Pace Project No.: 35805135

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35805135024	**IW-29**	EPA 8260	925278		

WO# : 35805135

35805135

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

y constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

oject Information:

Company:	Earth Systems, Inc.	Report To:	Luke Russell
Address:	223 12th Ave N #2	Copy To:	
Jacksonville Beach, FL 32250			
Email:	lrussell@earthsys.net	Purchase Order #:	
Phone:	NONE	Fax:	Project Name: Tropical Chevron
Requested Due Date:	Std	Project #:	

Section C

Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	shelby.sharpe@pacelabs.com,
Pace Profile #:	9700-7

Regulatory Agency

State / Location: FL

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	BTEX/MTBE by 8260	PAH 8270/SIM	TRPH FL-PRO	Residual Chlorine (Y/N)
1	MW-1RR	WT		6/8/23			0912		7	K	X		K						X	X	X	
2	MW-3R	WT					1002		3				K						X			
3	MW-4R	WT					0839		3				K						X			
4	MW-5R	WT					1236		3				K						X			
5	MW-6R	WT					1031		3				K						X			
6	MW-8R not sampled, Abandoned	WT							3	X			K						X	X		
7	MW-9R	WT					1203		3				K						X			
8	MW-10R Abandoned, not sampled	WT							3	X			K						X	X		
9	IW-1	WT					1051		5	K			K						X	X		
10	IW-2	WT					1302		7	X	X		X						X	X	X	
11	IW-7	WT					0936		5	K			K						X	X		
12	IW-11	WT					1102		5	X			K						X	X		

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
FDEP No.: 8517300	Cannon Cantey	6/8/23	1530	[signature]	6/8/23	1530				
				NM	6-8-23	1845	0.9	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed:

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Pace

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Section A — Required Client Information:

- Company: Earth Systems, Inc.
- Address: 223 12th Ave N #2
- Jacksonville Beach, FL 32250
- Email: lrussell@earthsys.net
- Phone: NONE   Fax:
- Requested Due Date:

Section B — Required Project Information:

- Report To: Luke Russell
- Copy To:
- Purchase Order #:
- Project Name: Tropical Chevron
- Project #:

Section C — Invoice Information:

- Attention:
- Company Name:
- Address:
- Pace Quote:
- Pace Project Manager: shelby.sharpe@pacelabs.com,
- Pace Profile #: 9700-7

Regulatory Agency:

State / Location: FL

SAMPLE ID — One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	START TIME	END DATE	END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	BTEX/MTBE by 8260	PAH 8270/SIM	TRPH FL-PRO	Residual Chlorine (Y/N)
13	IW-16	WT		6/8/23			0750												X	X		
14	IW-17	WT					1050												X	X		
15	IW-18	WT					1122												X	X		
16	IW-19	WT					1227												X			
17	IW-20	WT					1258												X	X		
18	IW-21	WT					0950												X	X		
19	IW-22	WT					0920												X	X		
20	IW-23	WT					0850												X	X		
21	IW-24	WT					1020												X	X		
22	IW-25	WT					1154												X	X		
23	IW-26	WT					0820												X	X		
24	DW-3 Abandoned, not sampled	WT					—												X			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
FDEP No.: 8517300	Conner Crotty	6/8/23	1536	Darr [illegible]	6/8/23	1630				
				[illegible]	6-8-23	1845	0.9	Y	N	Y
							TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed:

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Section A — **Required Client Information:**

Company:	Earth Systems, Inc.
Address:	223 12th Ave N #2
	Jacksonville Beach, FL 32250
Email:	lrussell@earthsys.net
Phone:	NONE Fax:
Requested Due Date:	

Section B — **Required Project Information:**

Report To:	Luke Russell
Copy To:	
Purchase Order #:	
Project Name:	Tropical Chevron
Project #:	

Section C — **Invoice Information:**

Attention:	
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	shelby.sharpe@pacelabs.com,
Pace Profile #:	**9700-7**

Regulatory Agency

State / Location: FL

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	BTEX/MTBE by 8260	PAH 8270/SIM	TRPH FL-PRO	Residual Chlorine (Y/N)
25	NEW-IW-27	WT		6-8-23			0808		7	X	X		X						X	X	X	
26	NEW-IW-28	WT		↓			0732		7	X	X		X						X	X	X	
27	NEW-IW-29	WT					0657		7	X	X		X						X	X	X	
28																						
29																						
30																						
31																						
32																						
33																						
34																						
35																						
36																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
FDEP No.: 8517300	Conner Cuny	6/8/23	1536	Dana Pace	6/8/23	1630				
				NR	6-8-23	1845	5.9	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: **DATE Signed:**

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Pace

Sample Condition Upon Receipt Form (SCUR)

WO# : 35805135

PM: SS1 **Due Date: 06/16/23**

CLIENT: EARSYS

Project #

Project Manager:

Client:

Date and Initials of person:

Examining contents: _____

Label: _____

Deliver: EAS1

pH: _____

Thermometer Used: T-408 Date: 6-8-23 Time: 1945 Initials: NPI

State of Origin: _____ ☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp.°C	2.4 (Visual)	-0.1 (Correction Factor)	2.3 (Actual)	☐Samples on ice, cooling process has begun.
Cooler #2 Temp.°C	1.0 (Visual)	_____ (Correction Factor)	0.9 (Actual)	☐Samples on ice, cooling process has begun.
Cooler #3 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #4 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #5 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #6 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Recheck for OOT °C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	Time: _____ Initials: _____

Courier: ☐Fed Ex ☐UPS ☐USPS ☐Client ☐Commercial ☑Pace ☐Other: _____

Shipping Method: ☐Standard Overnight ☐First Overnight ☐Priority Overnight ☐Ground ☐International Priority ☐Other: _____

Billing: ☐Recipient ☐Sender ☐Third Party ☐Credit Card ☐Unknown

Tracking # _____

Custody Seal Present: ☐Yes ☑No **Seal properly placed and intact:** ☐Yes ☐No **Ice:** ☑Wet ☐Blue ☐Dry ☐None ☐Melted

Packing Material: ☐Bubble Wrap ☑Bubble Bags ☐None ☐Other:

Samples shorted to lab: ☐Yes ☐No (If yes, complete the following)
Shorted Date: _____ **Shorted Time:** _____
Bottle Quantity / Type:

Chain of Custody:	**Present:** ☑Yes ☐No | **Filled Out:** ☑Yes ☐No ☐N/A | **Relinquished From Pace:** ☐Yes ☐No ☑N/A | **Sampler Name:** ☐Yes ☑No ☐N/A				
	Relinquished To Pace: ☑Yes ☐No ☐N/A | **Sampling Date(s):** ☑Yes ☐No ☐N/A | **Sampling Time(s):** ☑Yes ☐No ☐N/A				
Samples Arrived within Hold Time.	☑Yes	☐No	☐N/A	Comments:	
Rush Turnaround Requested on COC.	☐Yes	☐No	☑N/A	Comments:	
Sufficient Volume.	☑Yes	☐No	☐N/A	Comments:	
Correct Containers Used.	☑Yes	☐No	☐N/A	Comments:	
Containers Intact.	☑Yes	☐No	☐N/A	Comments:	
Sample Labels Match COC (Sample ID, Date/Time of Collection).	☑Yes	☐No	☐N/A	Comments:	
All containers needing acid / base preservation have been checked.	☑Yes	☐No	☐N/A	**Preservation Information**	
All containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: Vials, Microbiology, O&G, PFAS	☑Yes	☐No	☐N/A	**Preservative:** _____ **Lot / Trace:** _____ **Amount added (mL):** _____	**Date:** _____ **Time:** _____ **Initials:** _____
Headspace in Volatile Vials? (>6mm):	☑Yes	☐No	☐N/A		
Trip Blank Present:	☐Yes	☐No	☑N/A		

Comments / Resolutions (use back for additional comments): Samples #1, #4, #5, #13, #18, & #19 all have headspace in 2/3 vials ; Sample #15 has headspace in 2/3 vials

SPI Rate Sheet

Petroleum Contamination Site Response Action Services
SCHEDULE OF PAY ITEMS INVOICE RATE SHEET

Facility Name: CHEVRON-TROPICAL
7-Digit Facility ID #: 8517300
County: 64
Region: Central
Site Manager Name: JACK ROBERTS
Site Manager Phone: (850)245-8865
Site Manager Email: jack.l.roberts@dep.state.fl.us

Contractor: Earth Systems, LLC
CID #: 00299
Contract #: GC743
SPI ID #: 28588
Retainage %: 5%
FDEP Cost Share %: 100.00%
Total Extended Cost: $ 33,745.94
Without Handling Fee: $ 33,715.94
Purchase Order: C153EF
Download Date: 2/15/23 9:26
Assignment Type: SCOPE
Transition Agreement: ○ Yes ◉ No

			PO Rate Sheet			Previously Invoiced	This Invoice		Balance
PAY ITEM	DESCRIPTION	UNIT OF MEASURE	UNITS	NEGOTIATED ITEM PRICE	TOTAL EXTENDED PRICE	UNITS	UNITS	EXTENDED PRICE	UNITS
Task 1									
1-2.a.	Site Health & Safety Plan for Continued Work (no cost to FDEP)	Per Site	1	$ -	$ -	1	0	$ -	0
		RETAINAGE			$ -	$ -		$ -	$ -
		SUBTOTAL			$ -	$ -		$ -	$ -
Task 2									
1-5.	Off-Site Property Access Agreement	Per Agreement	1	$ 334.25	$ 334.25	1	0	$ -	0
3-2.	Mobilization, Light Duty Vehicle (car or 1/2 ton truck) - > 100 miles each way	Per Round Trip	2	$ 668.52	$ 1,337.04	2	0	$ -	0
20-6.	Scientist/Technical Specialist (Key)	Per Hour	2	$ 92.60	$ 185.20	2	0	$ -	0
		RETAINAGE			$ 92.82	$ 92.82		$ -	$ -
		SUBTOTAL			$ 1,856.49	$ 1,856.49		$ -	$ -
Task 3									
1-4.	Permit Fees (actual fee only, cost to obtain permit is included in applicable pay items)	Reimbursable*	500	$ 1.00	$ 500.00	150	0	$ -	350
1-7.	6% Handling Fee for Cost Reimbursable Items	% Surcharge	500	$ 0.06	$ 30.00	150	0	$ -	350
3-2.	Mobilization, Light Duty Vehicle (car or 1/2 ton truck) - > 100 miles each way	Per Round Trip	1	$ 668.52	$ 668.52	1	0	$ -	0
3-8.a.	DPT Rig and Support Vehicles Mobilization - > 100 miles each way	Per Round Trip	1	$ 1,152.30	$ 1,152.30	1	0	$ -	0
4-1.a.	Per Diem - For travel > 1 consecutive day (prorated in quarter day incrementsin accordance with 112.061, F.S.) - Travel Voucher required and quoted rate should be per person per day	Per Person, Per Day	8	$ 80.00	$ 640.00	3	0	$ -	5
5-3.a.	Direct Push Technology (DPT) Rig and Equipment	Full Day	2	$ 3,542.00	$ 7,084.00	1	0	$ -	1
6-2.a.	Well Installation - 2 inch diameter (vertical)	Per Foot	90	$ 42.22	$ 3,799.80	90	0	$ -	0
19-20.	Letter/NPDES Report	Per Report	1	$ 315.00	$ 315.00	1	0	$ -	0
		RETAINAGE			$ 709.48	$ 493.83		$ -	$ 215.65
		SUBTOTAL			$ 14,189.62	$ 9,876.62		$ -	$ 4,313.00
Task 4									
3-2.	Mobilization, Light Duty Vehicle (car or 1/2 ton truck) - > 100 miles each way	Per Round Trip	1	$ 668.52	$ 668.52	0	1	$ 668.52	0
4-1.a.	Per Diem - For travel > 1 consecutive day (prorated in quarter day incrementsin accordance with 112.061, F.S.) - Travel Voucher required and quoted rate should be per person per day	Per Person, Per Day	4	$ 80.00	$ 320.00	0	0	$ -	4
8-1.	Monitoring Well Sampling with Water Level, ≤ 100 foot depth	Per Well	27	$ 255.00	$ 6,885.00	0	24	$ 6,120.00	3
8-11.	Electronic Data Deliverables (EDD)	Per Sampling Event	1	$ 75.46	$ 75.46	0	1	$ 75.46	0
9-27.	Water, BTEX + MTBE (EPA 602, EPA 624, EPA 8021 or EPA 8260)	Per Sample	27	$ 46.18	$ 1,246.86	0	24	$ 1,108.32	3
9-30.	Water, Polycyclic Aromatic Hydrocarbons, including 1-methylnaphthalene + 2-methylnaphthalene (EPA 610 [HPLC], EPA 625, EPA 8270 or EPA 8310)	Per Sample	20	$ 89.84	$ 1,796.80	0	18	$ 1,617.12	2
9-36.	Water, Total Recoverable Petroleum Hydrocarbons (FL-PRO)	Per Sample	5	$ 60.16	$ 300.80	0	5	$ 300.80	0
19-23.	Remedial Action General Report	Per Report	1	$ 1,260.00	$ 1,260.00	0	1	$ 1,260.00	0
21-33.	P.G or P.E. Review, Evaluation and Certification of a Remedial Action General Report	Per Report	1	$ 146.39	$ 146.39	0	1	$ 146.39	0
23-1.	Contingent Funding - Allowance only to be used as offset for field change orders	NOT BILLABLE	5000	$ 1.00	$ 5,000.00	n/a	n/a	n/a	5000
		RETAINAGE			$ 884.99	$ -		$ 564.83	$ 320.16

Petroleum Contamination Site Response Action Services
SCHEDULE OF PAY ITEMS INVOICE RATE SHEET

			PO Rate Sheet			Previously Invoiced	This Invoice		Balance
PAY ITEM	DESCRIPTION	UNIT OF MEASURE	UNITS	NEGOTIATED ITEM PRICE	TOTAL EXTENDED PRICE	UNITS	UNITS	EXTENDED PRICE	UNITS
		SUBTOTAL			$ 17,699.83	$ -		$ 11,296.61	$ 6,403.22
		TOTAL COST			$ 33,745.94	$ 11,733.11		$ 11,296.61	$ 10,716.22
				Owner Cost Share:	$ -	$ -		$ -	$ -
				FDEP Cost Share:	$ 33,745.94	$ 11,733.11		$ 11,296.61	$ 10,716.22
				Retainage:	$ 1,687.30	$ 586.66		$ 564.83	$ 535.81
				FDEP Less Retainage:	$ 32,058.64	$ 11,146.45		$ 10,731.78	$ 10,180.41

Version: 12.1

Site Manager Approval: _____

Print Name

_____

Signature

_____

Date of Review Letter