Honeywell International Inc.

SEMI-ANNUAL MONITORING REPORT: JUNE 2019 – NOVEMBER 2019

Solitron Devices Site

Riviera Beach, Palm Beach County, Florida

Facility ID No. FLD032845778
Site ID No. COM_45702

January 2020

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ACRONYMS AND ABBREVIATIONS

cis-DCE	cis-1,2-dichloroethene
COCs	constituents of concern
CVOCs	chlorinated volatile organic compounds
FDEP	Florida Department of Environmental Protection
ft bls	feet below land surface
GCTLs	groundwater cleanup target levels
GMR	Groundwater Monitoring Report
gpm	gallons per minute
MNA	monitored natural attenuation
NADC	natural attenuation default criteria
PMP	Performance Monitoring Plan
ppd	pounds per day
QAPP	Quality Assurance Project Plan
µg/L	microgram(s) per liter
VC	vinyl chloride
VOCs	volatile organic compounds

1 INTRODUCTION

On behalf of Honeywell International Inc. (Honeywell), Arcadis has prepared this Semi-Annual Monitoring Report to summarize the monitoring results related to the operation of the Groundwater Remediation System (groundwater system) at the former Solitron property located at 1177 Blue Heron Boulevard (Site) in Riviera Beach, Florida (**Figures 1** and **2**) during the period from May 2019 through November 2019. The groundwater system was designed to remediate constituents of concern (COCs) in Site groundwater, consisting primarily of volatile organic compounds (VOCs), including benzene, chlorobenzene, and vinyl chloride (VC).

2 SYSTEM OPERATION

2.1 System Description

The groundwater system was designed and constructed to remove VOCs, including chlorinated volatile organic compounds (CVOCs), from Site groundwater. The groundwater system includes two groundwater extraction wells (EW-1 and EW-2) and one injection well (IW-1). Groundwater is pumped from the extraction wells to a low-profile air stripper. The air stripper is designed to remove VOCs present in the extracted groundwater to levels below their respective Florida Department of Environmental Protection (FDEP) Groundwater Cleanup Target Levels (GCTLs). The air stripper is housed in a one-story, 30-foot wide by 40-foot long building (treatment building) located on-site. Exhaust air from the air stripper is discharged via an 18-inch diameter vent stack that penetrates through the roof of the building. Treated groundwater effluent is then pumped from the air stripper to injection well IW-1.

Arcadis began construction of the groundwater system in December 2008 and work was completed in March 2009. System startup activities began on March 30, 2009.

On November 21, 2011, Arcadis received approval from the FDEP (via email) to inject a dispersant and disinfectant into the process piping to reduce necessary injection well maintenance. The dispersant and disinfectant injections began in February 2012. An iron and calcium dispersant (Redux 390) is injected into the process stream prior to the air stripper (influent). A solution of 20% hydrogen peroxide (disinfectant) is injected into the process stream after the air stripper (effluent). Based on the positive results observed and summarized in previous reports, this system has remained online during operation of the groundwater system.

A period of extended downtime was experienced from March 2019 to June 2019, due to the failure of the air-stripper system blower. The blower and associated components were replaced, and the system resumed operation on June 6, 2019.

2.2 Operating Conditions

2.2.1 General

The system processed approximately 13.04 million gallons of groundwater during the reporting period (June 2019 through November 2019); with 23.5% extracted from EW-1 and 76.5% extracted from EW-2. The system has treated nearly 351.6 million gallons of groundwater since start up on March 30, 2009.

System influent and effluent, and semi-annual monitoring well samples are evaluated to determine the continued effectiveness of the recovery system. Flow volume modifications are implemented as appropriate to increase/optimize mass recovery.

As described in prior monitoring reports, injection well IW-1 has been prone to fouling. This typically results in a pressure build-up within the well. In order to address this issue, periodic well redevelopment events are performed. A chemical injection system was installed in January 2012 and brought online in February 2012 to help control the injection well fouling and to reduce the frequency of required well redevelopment events. No injection well redevelopments or air stripper cleaning events were required during the reporting period. System pressures will continue to be monitored and additional injection well redevelopments and/or air stripper cleaning events will be scheduled as needed.

The system operated continuously during this reporting period, with the exception of shutdowns due to planned maintenance activities and transient electrical issues believed to be caused by thunderstorms in the area. The combined flowrate from the extraction wells (EW-1 and EW-2) ranged from 70 to 125 gallons per minute (gpm) during the reporting period, while the flowrate at injection well (IW-1) ranged from 62 to 130 gpm.

2.2.2 Influent Water Quality

Influent samples were collected from the system in June, September, October, and November 2019 (**Table 1**). Samples of the raw influent are collected to evaluate mass recovery and to determine operational strategy. Historically, the primary groundwater constituents in the influent groundwater above the applicable FDEP GCTLs are benzene, chlorobenzene, cis-1,2-dichloroethene (cis-DCE), and VC.

System samples are typically collected at a quarterly frequency; however, additional samples were collected during this reporting period to evaluate COC concentrations at the individual extraction.

When the system was restarted in June 2019 both extraction wells EW-1 and EW-2 were brought online. As discussed in the July 2019 Semi-Annual Groundwater Monitoring Report (GMR; Arcadis, 2019), elevated concentrations of Site COCs were observed in the influent sample collected on June 7, 2019. To determine which extraction well was driving the COC increases observed in the influent, samples were collected individually from each extraction well.

On July 26, 2019 extraction well EW-1 was taken offline and the flowrate at extraction well EW-2 was increased to approximately 100 gpm. The system operated with EW-2 for approximately two months and system samples were collected in September 2019. The September 2019 results showed elevated COC concentrations, with the primary constituents listed above their respective FDEP GCTLs and VC reported in excess of the Natural Attenuation Default Concentrations (NADCs). On October 4, 2019 extraction well EW-1 was restarted and extraction well EW-2 was shut down. System influent and effluent samples were

collected on October 14, 2019 to evaluate COC concentrations at extraction well EW-1. October 2019 influent data indicated that target COCs were reported below their applicable FDEP GCTLs.

Extraction well EW-2 was restarted and extraction well EW-1 was shut down on November 1, 2019 in order to optimize mass recovery. A system sampling event was also performed on November 22, 2019 to return to the typical quarterly sampling schedule. The table below provides a summary of system influent data during this reporting period.

Extraction Wells in Operation:	**EW-1 + EW-2**	**EW-2**	**EW-1**	**EW-2**
Date Collected:	**6/7/2019**	**9/27/2019**	**10/14/2019**	**11/22/2019**
Chlorobenzene	**120**	**110**	0.27 U	100
Benzene	**11**	**11**	0.25 U	**9.5**
Trichloroethene	**8.3 I**	**30**	0.61 U	**14**
1,1-Dichloroethene	4.1 I	2.4	0.26 U	2.1
cis-1,2-Dichloroethene	**1200**	**650**	0.32 U	**590**
trans-1,2-Dichloroethene	8.6 I	6.1	0.39 U	4.4
Vinyl Chloride	**380**	**450**	0.51 I	**290**

1 – Concentrations in microgram(s) per liter (µg/L)
2 – Values shown in bold font are above the GCTL
3 – Values shaded and in bold font are above the NADC

As discussed previously, the system experienced an extended shut down between March and early June 2019 while the replacement of the air stripper blower. The June 7, 2019 influent sample was collected within 24 hours of system start up and therefore biases high due to the shutdown period. Other samples collected during this reporting period show an overall decreasing trend from startup.

2.2.3 Effluent Water Quality

Effluent samples were collected from the groundwater system in June, September, October, and November 2019. Samples of the treated effluent are collected to confirm that the groundwater system is effectively removing the COCs to concentrations below their respective FDEP GCTLs (**Table 1**). No Site COCs were reported in excess of the respective FDEP GCTLs during the reporting period.

2.2.4 Air Emissions

System air samples were collected in June, September, November 2019. Air sampling results and estimated emissions are presented in **Table 2**. The estimated air emissions are calculated by using the air sample analytical data and the measured flowrate of the air though the air stripper at the time of sample collection. Based on the June, September, November 2019 sampling results, an estimated average loading rate of approximately 0.16 pounds per day (ppd) was calculated during the reporting period. The estimated air emissions from the groundwater system remain well below the established threshold limit of 13.7 ppd of total VOCs.

3 GROUNDWATER MONITORING

Arcadis collected groundwater samples from Site monitoring wells during the week of November 18, 2019. Groundwater samples were collected using the low-flow sampling methodology as described in the approved Performance Monitoring Plan (PMP; Arcadis, 2009) and Quality Assurance Project Plan (QAPP; Arcadis, 2013). Field parameters of the groundwater – temperature, pH, conductivity, dissolved oxygen, oxidation/reduction potential, and turbidity – were documented during well purging and sampling activities. Field parameters and pertinent observations were recorded on standard groundwater sampling logs. Groundwater sampling documentation is provided as **Appendix A**.

Arcadis utilized Eurofins TestAmerica (Eurofins) to perform analytical laboratory testing. The laboratory reports for the November 2019 semi-annual groundwater sampling event are included as **Appendix B**. The groundwater samples were analyzed for VOCs by Method 8260B, methane/ethane/ethene by Method RSK-175, and carbon dioxide by AM20GAX. Recent VOC results are presented in **Table 3** and recent monitored natural attenuation (MNA) parameters are presented in **Table 4**. Historical data tables for both VOCs and MNA parameter data are provided in **Appendix C** and **D**, respectively.

3.1 Water Table Elevations

Groundwater elevations from all accessible Site monitoring wells were collected on November 18, 2019 and are presented in **Table 5**. Groundwater flow direction in the 50-150 and 150-200 feet below land surface (ft bls) intervals are predominantly to the east. The groundwater flow direction in the >200 ft bls interval was to the east-northeast.

The groundwater flow directions observed for each of the three aquifer zones were generally consistent with historical observations at this Site. The groundwater elevations and groundwater contour maps for the three aquifer zones are provided on **Figures 3** through **5**.

3.2 Analytical Results

The semi-annual groundwater sampling event was performed in November 2019. Concentrations of Site COCs reported above their respective FDEP GCTLs were limited to benzene, chlorobenzene, and VC during the reporting period. All monitoring wells exhibited concentrations of COCs below the NADCs for the fifth consecutive event. Mann-Kendall analyses were performed for target COCs at monitor wells that had at least one detection above the GCTL during the last six sampling events. The analyses and trend charts are included as **Appendix E**. As shown in the Mann-Kendall analyses nearly all Site monitoring wells meeting the criteria stated above (at least one detection above the GCTL in the last six sampling events) exhibit a stable or decreasing trend. The one exception to these trends is MW-1E, in which VC has slightly exceed the GCTL for the last two events.

<50 ft bls Interval

- No exceedances of the applicable FDEP GCTLs were observed within the aquifer interval (**Figure 6**).

50 to 150 ft bls Interval

- Exceedances of the FDEP GCTLs for Site COCs in the monitor wells within the aquifer interval were limited to VC at monitor well MW-19B [3.6 µg/L] (**Figure 7**).

- Monitor wells MW-19B and MW-20A continued to exhibit decreasing trends for VC during the November 2019 event, with VC concentrations at MW-20A decreasing below the FDEP GCTL.

150 to 200 ft bls Interval

- Exceedances of the applicable FDEP GCTLs were limited to monitor wells MW-13C (benzene – 1.5 µg/L), MW-19C (VC - 3.8 µg/L), and MW-20B (VC - 6.3 µg/L) during the reporting period (**Figure 8**).
- VC concentrations at monitor wells MW-19C and MW-20B continue to exhibit overall decreasing trends. Chlorobenzene concentration trends at monitor well MW-20B remain stable, with chlorobenzene observed below the FDEP GCTL during the November 2019 event.
- A low-level exceedance of benzene was reported at MW-13C (1.5 µg/L) during the November 2019 event. Despite the fluctuation observed benzene concentrations continue to exhibit a stable trend at the location.

>200 ft bls Interval

- Exceedances of the applicable FDEP GCTLs were limited to exceedances of chlorobenzene (120 µg/L) and VC (1.8 µg/L) at MW-1E (**Figure 9**). The chlorobenzene and VC concentrations remained stable.

Isoconcentration maps for the COCs in the <50 ft bls, 50-150 ft bls, 150-200 ft bls, and >200 ft bls intervals are provided on **Figures 6** through **9**, respectively. Based on the data collected during the November 2019 sampling event, the COC plumes remain defined by the current monitor well network. Overall impacts across the Site are limited and relatively low in concentration.

4 DISCUSSION AND RECOMMENDATIONS

4.1 System Operation

As described in Section 2.2, the system operated at a combined instantaneous recovery rate of 70 to 125 gpm during the reporting period. The system operated continuously during this reporting period, with the exception of shutdowns due to planned maintenance activities and transient electrical issues believed to be caused by thunderstorms in the area.

No injection well redevelopment events or air stripper cleaning events were performed during this reporting period, however, redevelopment/cleaning events will continue to be performed as needed, based on system performance metrics (i.e., observed pressure buildup, decrease in flowrate).

In general, the results of the groundwater system influent/effluent sampling and air sampling during this reporting period show the groundwater system is operating as designed and is effectively removing VOC mass from Site groundwater. Four system samples were collected during the reporting period (in June, September, October, and November 2019). An evaluation of the system samples indicates that groundwater from extraction well EW-1 contained limited COC mass (all COCs reported below the FDEP GCTLs) while groundwater from extraction well EW-2 contained elevated concentrations of COCs.

4.2 Hydraulic Containment

The instantaneous groundwater extraction rate averaged 97 gpm while the system was operational during the reporting period. The system continues to maintain hydraulic control in the vicinity of the two extraction wells.

As discussed previously, groundwater extraction from EW-2 (previously shut down on December 12, 2014) resumed operation on October 4, 2016. Extraction well EW-2 was restarted to increase mass recovery in the vicinity of MW-12B and MW-13B. Groundwater was initially extracted from both extraction wells EW-1 and EW-2 during this reporting period; however, since confirming the limited COC mass present at EW-1 it was shut down and extraction well EW-2 is being operated to optimize the mass recovery of the system.

4.3 Groundwater Monitoring

Analyses of COC concentrations indicate an overall stable to shrinking groundwater plume. Since the startup of system operations in March 2009, concentrations of Site COCs have been reduced significantly at most monitor wells within the network. No exceedances of the applicable NADCs were observed during the reporting period (for the fifth consecutive event). Site COCs reported above the applicable FDEP GCTLs were limited to benzene, chlorobenzene, and VC during the November 2019 event.

Operation of the system has yielded significant mass reduction in monitor wells within the influence of the system, specifically MW-13, MW-19, and MW-20 clusters, while remaining impacts north of the system influence are expected to be addressed through ongoing natural attenuation processes (biodegradation).

Based on a review of the November 2019 data and available historical data, the combination of pump and treat (targeted source area) and natural attenuation (fringe areas of plume) remain an effective strategy to address Site COCs and to achieve the established remedial objectives.

The next monitoring well sampling event for the December 2019 to May 2020 reporting period is tentatively scheduled for May 2020 in order to maintain the semi-annual sampling frequency established in the Preliminary Design Report schedule.

Recommendations for the Site are to continue operation of the groundwater system (utilizing only extraction well EW-2) and to continue to monitor Site-wide water quality and effectiveness.

5 REFERENCES

Arcadis, 2009. Performance Monitoring Plan, Solitron Devices Site Remedial Action. February.

Arcadis, 2013. Quality Assurance Project Plan, Solitron Devices Site. December.

Arcadis, 2019. Groundwater Monitoring Report, Solitron Devices Site Remedial Action. July.

Florida Department of Environmental Protection, 2011. Memorandum: Rounding Analytical Data for Site Rehabilitation Completion. November 17, 2011.

TABLES

TABLE 1
INFLUENT AND EFFLUENT GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:				Influent	Effluent	Influent	Effluent	Influent	Effluent
Date Collected:	GCTL/MCL	NADC	Units	03/30/09		04/01/09		04/02/09	
Benzene	1	100	ug/L	**41**	0.50 U	**30**	0.50 U	**45**	0.50 U
Toluene	1,000	10,000	ug/L	5.1 U	0.51 U	12	0.44 U	2.6 U	0.51 U
Ethylbenzene	700	7,000	ug/L	9.6 I	0.44 U	5.1 U	0.51 U	11	0.44 U
Xylenes (total)	10,000	100,000	ug/L	5.0 U	0.50 U	5.0 U	0.50 U	3.1 I	0.50 U
1,1-Dichloroethane	70	700	ug/L	5.2 U	0.52 U	5.2 U	0.52 U	2.6 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	4.5 U	0.45 U	4.5 U	0.45 U	2.2 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	9.8 I	0.44 U	14	0.44 U	13	0.44 U
1,3-Dichlorobenzene	210	2,100	ug/L	6.4 U	0.64 U	6.4 U	0.64 U	3.2 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	5.2 U	0.52 U	5.2 U	0.52 U	3.0 I	0.52 U
Chlorobenzene	100	1,000	ug/L	**130**	0.63 U	**140**	0.63 U	**140**	0.63 U
Chloroform	70	700	ug/L	9.0 U	0.90 U	9.0 U	0.90 U	4.5 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	**400**	0.65 U	**330**	0.65 U	**560**	0.65 U
Tetrachloroethene	3	300	ug/L	5.0 U	0.50 U	5.0 U	0.50 U	2.5 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	4.4 U	0.44 U	4.4 U	0.44 U	5.4	0.44 U
Trichloroethene	3	300	ug/L	5.0 U	0.50 U	5.0 U	0.50 U	2.5 U	0.50 U
Vinyl Chloride	1	100	ug/L	**550**	0.50 U	**360**	0.50 U	**540**	0.50 U

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TABLE 1
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Location ID:				Influent	Effluent	Influent	Effluent	Influent	Effluent
Date Collected:	GCTL/MCL	NADC	Units	04/03/09		04/08/09		04/15/09	
Benzene	1	100	ug/L	**43**	0.50 U	**47**	0.50 U	**47**	0.50 U
Toluene	1,000	10,000	ug/L	0.81 I	0.51 U	5.1 U	0.51 U	1.2	0.51 U
Ethylbenzene	700	7,000	ug/L	19	0.44 U	21	0.44 U	23	0.44 U
Xylenes (total)	10,000	100,000	ug/L	11	0.50 U	17 I	0.50 U	26	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	5.2 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	2.0	0.45 U	4.5 U	0.45 U	2.3	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	16	0.44 U	18	0.44 U	21	0.44 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	6.4 U	0.64 U	0.90 I	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	1.6	0.52 U	5.2 U	0.52 U	4.1	0.52 U
Chlorobenzene	100	1,000	ug/L	**150**	0.63 U	**160**	0.63 U	**150**	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	9.0 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	**430**	0.65 U	**520**	0.65 U	**420**	0.81 I
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	5.0 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	4.3	0.44 U	4.5 I	0.44 U	4.9	0.44 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	5.0 U	0.50 U	0.69 I	0.50 U
Vinyl Chloride	1	100	ug/L	**320**	0.50 U	**620**	0.50 U	**520**	0.64 I

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Location ID:				Influent	Effluent	Influent	Effluent	Influent	Effluent
Date Collected:	GCTL/MCL	NADC	Units	04/21/09		05/29/09		06/19/09	
Benzene	1	100	ug/L	**22**	0.50 U	**29**	0.50 UJ	**2.4**	0.50 U
Toluene	1,000	10,000	ug/L	11	0.51 U	1.4	0.51 UJ	230 L	0.51 U
Ethylbenzene	700	7,000	ug/L	12	0.44 U	23	0.44 UJ	1.5	0.44 U
Xylenes (total)	10,000	100,000	ug/L	15	0.50 U	46	0.50 U	2.8 I	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 UJ	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.77 I	0.45 U	1.4	0.45 UJ	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	13	0.60 I	20	0.44 UJ	1.3	0.44 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 UJ	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	2.5	0.52 U	3.4	0.52 UJ	0.52 U	0.52 U
Chlorobenzene	100	1,000	ug/L	99	1.9	**130**	0.63 UJ	7.8	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 UJ	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	**410**	3.4	**360**	0.65 UJ	35	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	1.9	0.44 U	4.1	0.44 UJ	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.73 I	0.50 UJ	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	**440**	0.50 U	**410**	0.50 UJ	**43**	0.50 U

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Honeywell International Inc.
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Location ID:				Influent	Effluent	Influent	Effluent	Influent	Effluent
Date Collected:	GCTL/MCL	NADC	Units	10/21/09		01/18/10		05/24/10	
Benzene	1	100	ug/L	**27**	0.50 U	**16**	0.50 U	**13**	0.50 U
Toluene	1,000	10,000	ug/L	1.3	0.51 U	30	0.51 U	82	0.51 U
Ethylbenzene	700	7,000	ug/L	11	0.44 U	6.6	0.44 U	2.0	0.44 U
Xylenes (total)	10,000	100,000	ug/L	20.7	0.50 U	12	0.50 U	2.5 I	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	2.9	0.45 U	0.84 I	0.45 U	0.74 I	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	28	0.44 U	9.3	0.44 U	7.1	0.44 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	2.9	0.52 U	1.3	0.52 U	0.85 I	0.52 U
Chlorobenzene	100	1,000	ug/L	**120**	0.63 U	58	0.63 U	40	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.9 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	**720**	0.65 U	**240**	0.65 U	**470**	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	6.8	0.44 U	2.5	0.44 U	2.8	0.44 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.50 U
Vinyl Chloride	1	100	ug/L	**490**	0.50 U	**180**	0.50 U	**300**	0.50 U

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TABLE 1
INFLUENT AND EFFLUENT GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:				**Influent**	**Effluent**	**Influent**	**Effluent**	**Effluent**
Date Collected:	**GCTL/MCL**	**NADC**	**Units**	**11/04/10**		**05/27/11**		**06/14/11**
Benzene	1	100	ug/L	0.50 U	0.50 U	**82**	1	**1.3**
Toluene	1,000	10,000	ug/L	9.6	0.51 U	1.1	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	3.1	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	5.9	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U	0.44 U	6.6	0.44 U	0.81 I
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U	1.1	0.52 U	0.52 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	**140**	3.5	6.1
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	60	1.0	2.5
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	1.7	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	0.50 U	0.50 U	**86**	0.50 U	0.52 I

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TABLE 1
INFLUENT AND EFFLUENT GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:				Influent	Effluent	Influent	Effluent	Influent	Effluent
Date Collected:	GCTL/MCL	NADC	Units	06/24/11		02/07/12		05/08/12	
Benzene	1	100	ug/L	**61**	0.50 U	**38**	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	1.4	0.51 U	0.65 I	0.51 U	1.9	0.51 U
Ethylbenzene	700	7,000	ug/L	6.7	0.44 U	5.4	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	6.8	0.50 U	4.0	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	12	0.44 U	17	0.44 U	0.44 U	0.44 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	2.3	0.52 U	3.3	0.52 U	0.52 U	0.52 U
Chlorobenzene	100	1,000	ug/L	**150**	0.63 U	**140**	0.63 U	0.63 U	2.0
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	**78**	0.65 U	53	0.65 U	0.65 U	1.9
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	1.5	0.44 U	1.0	0.44 U	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.55 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	**120**	0.50 U	**87**	0.50 U	0.50 U	0.50 U

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TABLE 1
INFLUENT AND EFFLUENT GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:				Influent	Effluent	Influent	Effluent	Influent	Effluent
Date Collected:	GCTL/MCL	NADC	Units	09/17/12		11/08/12		02/12/13	
Benzene	1	100	ug/L	**9.8**	0.50 U	**23**	0.50 U	**34**	**2.3**
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.63 I	0.51 U
Ethylbenzene	700	7,000	ug/L	2.2	0.44 U	4.4	0.44 U	7.0	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.89 I	0.50 U	2.69 I	0.50 U	3.7	0.5 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U	0.45 U	0.53 I	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	20	0.44 U	15	0.44 U	16	2.7
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	1.9	0.52 U	2.6	0.52 U	2.6	0.52 U
Chlorobenzene	100	1,000	ug/L	53	0.63 U	**140**	0.63 U	**140**	16
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.9 U	0.9 U
cis-1,2-Dichloroethene	70	700	ug/L	**85**	0.65 U	**100**	0.65 U	**130**	14
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	100	1,000	ug/L	1.2	0.44 U	0.72 I	0.44 U	5.2	0.44 U
Trichloroethene	3	300	ug/L	0.57 I	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U
Vinyl Chloride	1	100	ug/L	**99**	0.50 U	**95**	0.50 U	**130**	**5.8**

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TABLE 1
INFLUENT AND EFFLUENT GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:				Influent	Effluent	Influent	Effluent	Influent	Effluent
Date Collected:	GCTL/MCL	NADC	Units	04/19/13		05/29/13		08/16/13	
Benzene	1	100	ug/L	**35**	0.50 U	0.50 U	0.50 U	**13**	0.50 U
Toluene	1,000	10,000	ug/L	0.57 I	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	8.2	0.44 U	0.44 U	0.44 U	3.2	0.44 U
Xylenes (total)	10,000	100,000	ug/L	3.3	0.50 U	0.50 U	0.50 U	1.5 I	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.74 I	0.45 U	2.6	0.45 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	27	0.44 U	23	0.44 U	13	0.44 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	4.0	0.52 U	2.6	0.52 U	1.9	0.52 U
Chlorobenzene	100	1,000	ug/L	**160**	0.63 U	30	0.63 U	76	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	**160**	0.65 U	**630**	0.65 U	**82**	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	2.3	0.44 U	11	0.44 U	1.1	0.44 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	**180**	0.50 U	**510**	0.50 U	**76**	0.50 U

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TABLE 1
INFLUENT AND EFFLUENT GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:				Influent	Effluent	Influent	Effluent	Influent	Effluent
Date Collected:	GCTL/MCL	NADC	Units	11/15/13		02/20/14		05/30/14	
Benzene	1	100	ug/L	**3.9**	0.50 U	**4.5**	0.5 U J3	**12**	0.5 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	1.6	0.44 U	1.6	0.44 U	2.8	0.44 U
Xylenes (total)	10,000	100,000	ug/L	1.56 I	0.50 U	0.5 U	0.5 U	2.7 I	0.5 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U J3	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	1.2	0.45 U	0.45 U	0.45 U J3	1.1	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	20	0.44 U	13	0.44 U J3	22	0.44 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U J3	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	3.5	0.52 U	1.4	0.52 U	3.1	0.52 U
Chlorobenzene	100	1,000	ug/L	57	0.63 U	30	0.63 U	93	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.9 U	0.9 U J3	0.9 U	0.9 U
cis-1,2-Dichloroethene	70	700	ug/L	**270**	0.65 U	37	0.65 U J3	**450**	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	100	1,000	ug/L	6.3	0.44 U	2.0	0.44 U J3	6.0	0.44 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.5 U	0.5 U J3	0.58 I	0.5 U
Vinyl Chloride	1	100	ug/L	**260**	0.50 U	**66**	0.51 I J3	**310**	0.5 U

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TABLE 1
INFLUENT AND EFFLUENT GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:				Influent	Effluent	Influent	Effluent	Influent	Effluent
Date Collected:	GCTL/MCL	NADC	Units	08/28/14		11/10/14		02/27/15	
Benzene	1	100	ug/L	**11**	0.5 U J3	**8.0**	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	1.1	0.44 U	0.86 I	0.44 U	1.2	0.44 U
Xylenes (total)	10,000	100,000	ug/L	1.1 I	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.57 I	0.45 U	0.45 U	0.45 U	0.67 U	0.67 U
1,2-Dichlorobenzene	600	6,000	ug/L	15	0.44 U J3	10	0.44 U	12	0.49 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	2.1	0.52 U	2.0	0.52 U	1.9	0.60 U
Chlorobenzene	100	1,000	ug/L	74	0.63 U J3	60	0.63 U	29	0.63 U
Chloroform	70	700	ug/L	0.9 U	0.9 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	**170**	0.65 U	**81**	0.65 U	**160**	0.65 U
Tetrachloroethene	3	300	ug/L	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	2.9	0.44 U	2.0	0.44 U	3.7	0.67 U
Trichloroethene	3	300	ug/L	0.5 U	0.5 U	0.50 U	0.50 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	**270**	0.5 U	**160**	0.50 U	**260**	0.71 U

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TABLE 1
INFLUENT AND EFFLUENT GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:				Influent	Effluent	Influent	Effluent	Influent	Effluent
Date Collected:	GCTL/MCL	NADC	Units	05/28/15		09/21/15		11/24/15	
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.87 I	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
1,2-Dichlorobenzene	600	6,000	ug/L	6.8	0.49 U	3.8	0.49 U	8.2	0.49 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	1.1	0.60 U	0.68 I	0.60 U	1.4	0.60 U
Chlorobenzene	100	1,000	ug/L	17	0.63 U	8.7	0.63 U	25	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	**94**	0.65 U	49	0.65 U	**170**	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	2.4	0.67 U	1.2	0.67 U	3.1	0.67 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	**220**	0.71 U	**77**	0.71 U	**260**	0.71 U

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TABLE 1
INFLUENT AND EFFLUENT GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:				Influent	Effluent	Influent	Effluent	Influent	Effluent
Date Collected:	GCTL/MCL	NADC	Units	04/11/16		05/26/16		09/09/16	
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 I	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	1.7	0.44 U	1.9	0.44 U	1.4	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.56 I	0.50 U	0.61 I	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
1,2-Dichlorobenzene	600	6,000	ug/L	8.8	0.49 U	7.9	0.49 U	4.5	0.49 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	1.8	0.60 U	1.6	0.60 U	1.1	0.60 U
Chlorobenzene	100	1,000	ug/L	32	0.63 U	27	0.63 U	20	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	**120**	0.65 U	**110**	0.65 U	**77**	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	2.2	0.67 U	1.7	0.67 U	1.2	0.67 U
Trichloroethene	3	300	ug/L	0.61 U,J3	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	**250**	0.71 U	**220**	0.71 U	**160**	0.71 U

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TABLE 1
INFLUENT AND EFFLUENT GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:				Influent	Effluent	Influent	Effluent	Influent	Effluent
Date Collected:	GCTL/MCL	NADC	Units	12/02/16		06/01/17		10/16/17	
Benzene	1	100	ug/L	**29**	0.50 U	**24**	0.50 U	**17**	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.56 I	0.51 U	1	0.51 U
Ethylbenzene	700	7,000	ug/L	0.46 I	0.44 U	5.8	0.44 U	27	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.77 I	0.50 U	5.8	0.50 U	55	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.32 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	0.67 U	0.67 U	1.4	0.67 U	1.6	0.26 U
1,2-Dichlorobenzene	600	6,000	ug/L	8.4	0.49 U	12	0.49 U	24	0.49 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	1.4	0.60 U	2.6	0.60 U	3.3	0.36 U
Chlorobenzene	100	1,000	ug/L	**120**	0.63 U	**190**	0.63 U	**130**	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.29 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	45	0.65 U	**230**	0.65 U	**320**	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.99 I	0.67 U	2.0	0.67 U	3.4	0.67 U
Trichloroethene	3	300	ug/L	0.83 I	0.61 U	**4.6**	0.61 U	0.94 I	0.61 U
Vinyl Chloride	1	100	ug/L	**81**	0.71 U	**130**	0.71 U	**220**	0.26 U

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TABLE 1
INFLUENT AND EFFLUENT GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:				Influent	Effluent	Influent	Effluent	Influent	Effluent
Date Collected:	GCTL/MCL	NADC	Units	11/06/17		02/23/18		05/25/18	
Benzene	1	100	ug/L	**16**	0.50 U	**15**	0.25 U	**17**	0.25 U
Toluene	1,000	10,000	ug/L	0.96 I	0.51 U	0.74 I	0.24 U	0.87 I	0.24 U
Ethylbenzene	700	7,000	ug/L	29	0.44 U	16	0.27 U	19	0.27 U
Xylenes (total)	10,000	100,000	ug/L	58	0.50 U	31	0.50 U	26	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.32 U	0.32 U	0.63 U	0.32 U	0.32 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	1	0.26 U	1.6 I	0.26 U	2.3	0.26 U
1,2-Dichlorobenzene	600	6,000	ug/L	20	0.49 U	18	0.24 U	24	0.24 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.52 U	0.26 U	0.36 I	0.26 U
1,4-Dichlorobenzene	75	7,500	ug/L	3.1	0.36 U	2.7	0.22 U	3	0.22 U
Chlorobenzene	100	1,000	ug/L	**140**	0.63 U	**130**	0.27 U	**150**	0.27 U
Chloroform	70	700	ug/L	0.29 U	0.29 U	0.57 U	0.29 U	0.29 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	**290**	0.65 U	**390**	0.32 U	**550**	0.32 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	2.9	0.67 U	2.8 I	0.39 U	5.2	0.39 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	1.2 I	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	**180**	0.26 U	**220**	0.26 U	**310**	0.26 U

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TABLE 1
INFLUENT AND EFFLUENT GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:				Influent	Effluent	Influent	Effluent	Influent	Effluent
Date Collected:	GCTL/MCL	NADC	Units	08/31/18		11/11/18		02/28/19	
Benzene	1	100	ug/L	**14**	0.25 U	**9.6**	0.25 U	**9.7**	0.25 U
Toluene	1,000	10,000	ug/L	2.4 U	0.24 U	0.48 U	0.24 U	0.48 U	0.24 U
Ethylbenzene	700	7,000	ug/L	3.7 I	0.27 U	2.4	0.27 U	3.5	0.27 U
Xylenes (total)	10,000	100,000	ug/L	5.0 U	0.50 U	2.7 I	0.50 U	1.5 I	0.50 U
1,1-Dichloroethane	70	700	ug/L	3.2 U	0.32 U	0.63 U	0.32 U	0.63 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	2.6 U	0.26 U	1.9 I	0.26 U	3.2	0.26 U
1,2-Dichlorobenzene	600	6,000	ug/L	34	0.24 U	18	0.24 U	22	0.24 U
1,3-Dichlorobenzene	210	2,100	ug/L	2.6 U	0.26 U	0.52 U	0.26 U	0.52 U	0.26 U
1,4-Dichlorobenzene	75	7,500	ug/L	2.2 U	0.22 U	2.1	0.22 U	2.0	0.22 U
Chlorobenzene	100	1,000	ug/L	**120**	0.27 U	100	0.27 U	**110**	0.27 U
Chloroform	70	700	ug/L	2.9 U	0.29 U	0.57 U	0.29 U	0.57 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	**980**	0.41 I	**430**	0.32 U	**640**	0.32 U
Tetrachloroethene	3	300	ug/L	5.0 U	0.50 U	1.0 U	0.50 U	1.0 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	6.4 I	0.39 U	3.2 I	0.39 U	5.8	0.39 U
Trichloroethene	3	300	ug/L	6.1 U	0.61 U	1.2 U	0.61 U	2.0 I	0.61 U
Vinyl Chloride	1	100	ug/L	**440**	0.26 U	**320**	0.26 U	**320**	0.26 U

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TABLE 1
INFLUENT AND EFFLUENT GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:				Influent	Effluent	Influent	Effluent	Influent	Effluent
Date Collected:	GCTL/MCL	NADC	Units	06/07/19		09/27/19		10/14/19	
Benzene	1	100	ug/L	**11**	0.25 U	**11**	0.25 U	0.25 U	0.25 U
Toluene	1,000	10,000	ug/L	1.2 U	0.24 U	0.48 U	0.24 U	0.24 U	0.24 U
Ethylbenzene	700	7,000	ug/L	2.9 I	0.27 U	5.7	0.27 U	0.27 U	0.27 U
Xylenes (total)	10,000	100,000	ug/L	2.5 U	0.50 U	9.3	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	1.6 U	0.32 U	0.63 U	0.32 U	0.32 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	4.1 I	0.26 U	2.4	0.26 U	0.26 U	0.26 U
1,2-Dichlorobenzene	600	6,000	ug/L	36	0.24 U	35	0.24 U	0.24 U	0.24 U
1,3-Dichlorobenzene	210	2,100	ug/L	1.3 U	0.26 U	0.52 U	0.26 U	0.26 U	0.26 U
1,4-Dichlorobenzene	75	7,500	ug/L	1.1 U	0.22 U	2.9	0.22 U	0.22 U	0.22 U
Chlorobenzene	100	1,000	ug/L	**120**	0.27 U	**110**	0.27 U	0.27 U	0.27 U
Chloroform	70	700	ug/L	1.4 U	0.29 U	0.57 U	0.29 U	0.29 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	**1200**	0.32 U	**650**	0.32 U	0.32 U	0.32 U
Tetrachloroethene	3	300	ug/L	2.5 U	0.50 U	1.0 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	8.6 I	0.39 U	6.1	0.39 U	0.39 U	0.39 U
Trichloroethene	3	300	ug/L	**8.3 I**	0.61 U	**30**	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	**380**	0.26 U	**450**	0.26 U	0.51 I	0.26 U

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TABLE 1
INFLUENT AND EFFLUENT GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:				Influent	Effluent
Date Collected:	GCTL/MCL	NADC	Units	11/22/19	
Benzene	1	100	ug/L	**9.5**	0.25 U
Toluene	1,000	10,000	ug/L	0.48 U	0.24 U
Ethylbenzene	700	7,000	ug/L	3.6	0.27 U
Xylenes (total)	10,000	100,000	ug/L	7.0 I	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.63 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	2.1	0.26 U
1,2-Dichlorobenzene	600	6,000	ug/L	24	0.24 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.52 U	0.26 U
1,4-Dichlorobenzene	75	7,500	ug/L	2.2	0.22 U
Chlorobenzene	100	1,000	ug/L	100	0.27 U
Chloroform	70	700	ug/L	0.57 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	**590**	0.32 U
Tetrachloroethene	3	300	ug/L	1.0 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	4.4	0.39 U
Trichloroethene	3	300	ug/L	**14**	0.61 U
Vinyl Chloride	1	100	ug/L	**290**	0.26 U

Footnotes:

Bold - Detected above GCTL
Shaded - Detected above NADC
GCTL/MCL - Groundwater Cleanup Target Level/Maximum Contaminant Level
NADC - Natural Attenuation Default Concentrations
U - The compound was analyzed for but not detected.
L - Detection was out of scale. Actual value is known to be greater than the value given.
J - Indicates an estimated value.
J3 - Estimated value may not be accurate. Spike recovery or Relative Percent Difference (RPI
outside of criteria.
I - Estimated result < PQL and > MDL
MDL - Method Detection Limit
PQL - Practical Quantitation Limits

TABLE 2
EFFLUENT AIR ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Date Collected:	03/30/09			04/01/09			04/02/09		
Air Flow Rate (scfm):	700			700			700		
Analyte	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**
Benzene	270	0.0007	0.0170	200	0.0005	0.0126	170	0.0004	0.0107
Toluene	43 U	0.0001	0.0014	15 U	0.0000	0.0005	3.8 J	0.0000	0.0002
Ethylbenzene	74	0.0002	0.0047	43	0.0001	0.0027	45	0.0001	0.0028
m-Xylene & p-Xylene	50 U	0.0001	0.0016	17 U	0.0000	0.0005	18	0.0000	0.0011
o-Xylene	50 U	0.0001	0.0016	17 U	0.0000	0.0005	5.1 J	0.0000	0.0003
1,1-Dichloroethene	45 U	0.0001	0.0014	16 U	0.0000	0.0005	9.3 J	0.0000	0.0006
1,2-Dichlorobenzene	69 U	0.0001	0.0022	24 U	0.0000	0.0008	24	0.0001	0.0015
1,4-Dichlorobenzene	69 U	0.0001	0.0022	24 U	0.0000	0.0008	22 U	0.0000	0.0007
Chlorobenzene	800	0.0021	0.0503	510	0.0013	0.0321	460	0.0012	0.0290
cis-1,2-Dichloroethene	3,200	0.0084	0.2014	2,700	0.0071	0.1699	2,900	0.0076	0.1825
Trichloroethene	62 U	0.0001	0.0020	21 U	0.0000	0.0007	20 U	0.0000	0.0006
Vinyl Chloride	3,100	0.0081	0.1951	1,700	0.0045	0.1070	1,800	0.0047	0.1133
1,2,4-Trimethylbenzene	56 U	0.0001	0.0018	20 U	0.0000	0.0006	5.7 J	0.0000	0.0004
1,3,5-Trimethylbenzene	56 U	0.0001	0.0018	20 U	0.0000	0.0006	18 U	0.0000	0.0006
Methylene Chloride	99 U	0.0001	0.0031	35 U	0.0000	0.0011	19 J	0.0000	0.0006
Totals		0.0203	0.4873		0.0138	0.3309		0.0144	0.3449

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TABLE 2
EFFLUENT AIR ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Date Collected:	04/08/09			04/09/09			04/15/09		
Air Flow Rate (scfm):	700			700			560		
Analyte	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**
Benzene	360	0.0009	0.0227	330	0.0009	0.0208	180	0.0004	0.0091
Toluene	11 J	0.0000	0.0007	7.3 J	0.0000	0.0005	14	0.0000	0.0007
Ethylbenzene	210	0.0006	0.0132	89	0.0002	0.0056	78	0.0002	0.0039
m-Xylene & p-Xylene	180	0.0005	0.0113	83	0.0002	0.0052	76	0.0002	0.0038
o-Xylene	36 J	0.0001	0.0023	15 J	0.0000	0.0005	16	0.0000	0.0008
1,1-Dichloroethene	21 J	0.0001	0.0013	11 J	0.0000	0.0007	11 J	0.0000	0.0006
1,2-Dichlorobenzene	130	0.0003	0.0082	61	0.0002	0.0038	51	0.0001	0.0026
1,4-Dichlorobenzene	28 J	0.0001	0.0018	13 J	0.0000	0.0008	11 J	0.0000	0.0006
Chlorobenzene	1,400	0.0037	0.0881	760	0.0020	0.0478	560	0.0012	0.0282
cis-1,2-Dichloroethene	4,500	0.0118	0.2832	3,100	0.0081	0.1951	2,500	0.0052	0.1259
Trichloroethene	54 U	0.0001	0.0017	20 U	0.0000	0.0006	20 U	0.0000	0.0005
Vinyl Chloride	4,400	0.0115	0.2769	2,200	0.0058	0.1385	2,400	0.0050	0.1208
1,2,4-Trimethylbenzene	32 J	0.0000	0.0010	13 J	0.0000	0.0008	11 J	0.0000	0.0006
1,3,5-Trimethylbenzene	49 U	0.0001	0.0015	18 U	0.0000	0.0006	18 U	0.0000	0.0005
Methylene Chloride	11 J	0.0000	0.0007	4.5 J	0.0000	0.0003	4.9 J	0.0000	0.0002
Totals		0.0298	0.7146		0.0176	0.4216		0.0124	0.2987

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TABLE 2
EFFLUENT AIR ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Date Collected:	04/21/09			05/29/09			06/19/09		
Air Flow Rate (scfm):	540			540			540		
Analyte	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**
Benzene	73	0.0001	0.0035	150	0.0003	0.0073	410	0.0008	0.0199
Toluene	15 U	0.0000	0.0004	34	0.0001	0.0017	11 J	0.0000	0.0005
Ethylbenzene	46	0.0001	0.0022	160	0.0003	0.0078	190	0.0004	0.0092
m-Xylene & p-Xylene	48	0.0001	0.0023	270	0.0005	0.0131	280	0.0006	0.0136
o-Xylene	11 J	0.0000	0.0005	62	0.0001	0.0030	59	0.0001	0.0029
1,1-Dichloroethene	5.9 J	0.0000	0.0003	10 J	0.0000	0.0005	15	0.0000	0.0007
1,2-Dichlorobenzene	35	0.0001	0.0017	78	0.0002	0.0038	170	0.0003	0.0083
1,4-Dichlorobenzene	24 U	0.0000	0.0006	15 J	0.0000	0.0007	31	0.0001	0.0015
Chlorobenzene	290	0.0006	0.0141	720	0.0015	0.0350	1,300	0.0026	0.0631
cis-1,2-Dichloroethene	1,100	0.0022	0.0534	2,800	0.0057	0.1359	2,500 D	0.0051	0.1214
Trichloroethene	21 U	0.0000	0.0005	12 J	0.0000	0.0006	15 J	0.0000	0.0007
Vinyl Chloride	1,400	0.0028	0.0680	2,800	0.0057	0.1359	2,900 D	0.0059	0.1408
1,2,4-Trimethylbenzene	7.4 J	0.0000	0.0004	47	0.0001	0.0023	17 J	0.0000	0.0008
1,3,5-Trimethylbenzene	20 U	0.0000	0.0005	11 J	0.0000	0.0005	18 U	0.0000	0.0004
Methylene Chloride	93	0.0002	0.0045	9.7 J	0.0000	0.0005	4.8 JB	0.0000	0.0002
Totals		0.0064	0.1529		0.0145	0.3485		0.0160	0.3841

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TABLE 2
EFFLUENT AIR ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Date Collected:	10/30/09			01/18/10			05/24/10		
Air Flow Rate (scfm):	550			550			590		
Analyte	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**
Benzene	270	0.0006	0.0134	33	0.0001	0.0016	130	0.0003	0.0069
Toluene	45 U	0.0000	0.0011	15 U	0.0000	0.0004	45 U	0.0000	0.0012
Ethylbenzene	160	0.0003	0.0079	17 J	0.0000	0.0008	25 J	0.0001	0.0013
m-Xylene & p-Xylene	250	0.0005	0.0124	27	0.0001	0.0013	52 U	0.0001	0.0014
o-Xylene	48 J	0.0001	0.0024	17 U	0.0000	0.0004	52 U	0.0001	0.0014
1,1-Dichloroethene	36 J	0.0001	0.0018	4 J	0.0000	0.0002	15 J	0.0000	0.0008
1,2-Dichlorobenzene	240	0.0005	0.0119	13 J	0.0000	0.0006	120	0.0003	0.0064
1,4-Dichlorobenzene	35 J	0.0001	0.0017	24 U	0.0000	0.0006	72 U	0.0001	0.0019
Chlorobenzene	1,200	0.0025	0.0593	120	0.0002	0.0059	570	0.0013	0.0302
cis-1,2-Dichloroethene	8,800	0.0181	0.4352	690	0.0014	0.0341	4,400	0.0097	0.2334
Trichloroethene	64 U	0.0001	0.0016	21 U	0.0000	0.0005	64 U	0.0001	0.0017
Vinyl Chloride	8,300	0.0171	0.4104	870	0.0018	0.0430	3,100	0.0069	0.1644
1,2,4-Trimethylbenzene	28 J	0.0001	0.0014	20 U	0.0000	0.0005	59 U	0.0001	0.0016
1,3,5-Trimethylbenzene	59 U	0.0001	0.0015	20 U	0.0000	0.0005	59 U	0.0001	0.0016
Methylene Chloride	17 J	0.0000	0.0008	10 JB	0.0000	0.0005	14 J	0.0000	0.0007
Totals		0.0401	0.9627		0.0038	0.0911		0.0190	0.4549

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TABLE 2
EFFLUENT AIR ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Date Collected:	11/04/10			06/16/11			02/07/12		
Air Flow Rate (scfm):	500			550			510		
Analyte	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**
Benzene	250	0.0005	0.0112	250	0.0005	0.0124	100	0.0002	0.0046
Toluene	36 J	0.0001	0.0016	15 U	0.0000	0.0004	3.5 U	0.0000	0.0001
Ethylbenzene	28 J	0.0001	0.0013	17 U	0.0000	0.0004	9.7	0.0000	0.0004
m-Xylene & p-Xylene	34 J	0.0001	0.0015	17	0.0000	0.0008	3.5 I	0.0000	0.0002
o-Xylene	47 U	0.0000	0.0011	17 U	0.0000	0.0004	3.5 U	0.0000	0.0001
1,1-Dichloroethene	12 J	0.0000	0.0005	16 U	0.0000	0.0004	3.5 U	0.0000	0.0001
1,2-Dichlorobenzene	62 J	0.0001	0.0028	29	0.0001	0.0014	12	0.0000	0.0006
1,4-Dichlorobenzene	65 U	0.0001	0.0015	24 U	0.0000	0.0006	3.5 U	0.0000	0.0001
Chlorobenzene	480	0.0009	0.0216	620	0.0013	0.0307	270	0.0005	0.0124
cis-1,2-Dichloroethene	4,500	0.0084	0.2023	410	0.0008	0.0203	120	0.0002	0.0055
Trichloroethene	58 U	0.0001	0.0013	21 U	0.0000	0.0005	3.5 U	0.0000	0.0001
Vinyl Chloride	3,400	0.0064	0.1528	410	0.0008	0.0203	5.2 I	0.0000	0.0002
1,2,4-Trimethylbenzene	53 U	0.0000	0.0012	25 U	0.0000	0.0006	3.5 U	0.0000	0.0001
1,3,5-Trimethylbenzene	53 U	0.0000	0.0012	20 U	0.0000	0.0005	3.5 U	0.0000	0.0001
Methylene Chloride	32 JB	0.0001	0.0014	14 U	0.0000	0.0003	3.5 U	0.0000	0.0001
Totals		0.0168	0.4033		0.0038	0.0900		0.0010	0.0245

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TABLE 2
EFFLUENT AIR ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Date Collected:	08/02/12			11/09/12			02/12/13		
Air Flow Rate (scfm):	660			680			700		
Analyte	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**
Benzene	4.3	0.0000	0.0003	8.7	0.0000	0.0005	4.5	0.0000	0.0003
Toluene	2.0 U	0.0000	0.0001	2.0 U	0.0000	0.0001	1.0 U	0.0000	0.0000
Ethylbenzene	2.0 U	0.0000	0.0001	2.0 U	0.0000	0.0001	1.0 U	0.0000	0.0000
m-Xylene & p-Xylene	2.0 U	0.0000	0.0001	2.0 U	0.0000	0.0001	2.0 U	0.0000	0.0001
o-Xylene	2.0 U	0.0000	0.0001	2.0 U	0.0000	0.0001	1.0 U	0.0000	0.0000
1,1-Dichloroethene	2.0 U	0.0000	0.0001	2.0 U	0.0000	0.0001	1.0 U	0.0000	0.0000
1,2-Dichlorobenzene	2.0 U	0.0000	0.0001	2.0 U	0.0000	0.0001	1.1 I	0.0000	0.0001
1,4-Dichlorobenzene	2.0 U	0.0000	0.0001	2.0 U	0.0000	0.0001	1.0 U	0.0000	0.0000
Chlorobenzene	11	0.0000	0.0007	25	0.0001	0.0015	13	0.0000	0.0008
cis-1,2-Dichloroethene	14	0.0000	0.0008	31	0.0001	0.0019	14	0.0000	0.0009
Trichloroethene	2.0 U	0.0000	0.0001	2.0 U	0.0000	0.0001	1.0 U	0.0000	0.0000
Vinyl Chloride	15	0.0000	0.0009	37	0.0001	0.0023	18	0.0000	0.0011
1,2,4-Trimethylbenzene	2.0 U	0.0000	0.0001	2.0 U	0.0000	0.0001	2.0 U	0.0000	0.0001
1,3,5-Trimethylbenzene	2.0 U	0.0000	0.0001	2.0 U	0.0000	0.0001	1.0 U	0.0000	0.0000
Methylene Chloride	6.6	0.0000	0.0004	2.0 U	0.0000	0.0001	1.5 U	0.0000	0.0000
Totals		0.0002	0.0036		0.0003	0.0069		0.0001	0.0036

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TABLE 2
EFFLUENT AIR ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Date Collected:	05/29/13			08/16/13			11/15/13		
Air Flow Rate (scfm):	700			700			700		
Analyte	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**
Benzene	0.31	0.0000	0.0000	9.2	0.0000	0.0006	28	0.0001	0.0018
Toluene	0.53	0.0000	0.0000	3.0	0.0000	0.0002	4.6 I	0.0000	0.0003
Ethylbenzene	0.2 U	0.0000	0.0000	2.5	0.0000	0.0002	10	0.0000	0.0006
m-Xylene & p-Xylene	0.19 J	0.0000	0.0000	2.2	0.0000	0.0001	5.5 I	0.0000	0.0003
o-Xylene	0.099 J	0.0000	0.0000	0.94	0.0000	0.0001	5.7 I	0.0000	0.0004
1,1-Dichloroethene	0.10 J	0.0000	0.0000	0.18 I	0.0000	0.0000	10	0.0000	0.0006
1,2-Dichlorobenzene	0.64	0.0000	0.0000	6.4	0.0000	0.0004	90	0.0002	0.0057
1,4-Dichlorobenzene	0.20 U	0.0000	0.0000	1.1 I	0.0000	0.0001	16	0.0000	0.0010
Chlorobenzene	1.4	0.0000	0.0001	52	0.0001	0.0033	340	0.0009	0.0214
cis-1,2-Dichloroethene	35	0.0001	0.0022	57	0.0001	0.0036	1,900	0.0050	0.1196
Trichloroethene	0.20 U	0.0000	0.0000	0.56 I	0.0000	0.0000	1.9 U	0.0000	0.0001
Vinyl Chloride	29	0.0001	0.0018	41	0.0001	0.0026	1,900	0.0050	0.1196
1,2,4-Trimethylbenzene	0.20 U	0.0000	0.0000	1.0	0.0000	0.0001	3.1 U	0.0000	0.0001
1,3,5-Trimethylbenzene	0.20 U	0.0000	0.0000	0.32 U	0.0000	0.0000	3.2 U	0.0000	0.0001
Methylene Chloride	0.60	0.0000	0.0000	1.9	0.0000	0.0001	9.8 I	0.0000	0.0006
Totals		0.0002	0.0043		0.0004	0.0113		0.0113	0.2721

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TABLE 2
EFFLUENT AIR ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Date Collected:	02/20/14			05/30/14			08/28/14		
Air Flow Rate (scfm):	700			700			700		
Analyte	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**
Benzene	6.4	0.0000	0.0004	17	0.0000	0.0011	51	0.0001	0.0032
Toluene	1.7	0.0000	0.0001	7.5 U	0.0000	0.0005	4.5 U	0.0000	0.0003
Ethylbenzene	2.5	0.0000	0.0002	4.8 U	0.0000	0.0003	4.8 I	0.0000	0.0003
m-Xylene & p-Xylene	4.8	0.0000	0.0003	8.7 U	0.0000	0.0005	5.2 U	0.0000	0.0003
o-Xylene	1.4	0.0000	0.0001	4.3 U	0.0000	0.0003	2.6 U	0.0000	0.0002
1,1-Dichloroethene	0.15 I	0.0000	0.0000	2.3 U	0.0000	0.0001	3.7 I	0.0000	0.0002
1,2-Dichlorobenzene	14	0.0000	0.0009	12 I	0.0000	0.0008	32	0.0001	0.0020
1,4-Dichlorobenzene	1.6	0.0000	0.0001	6.6 U	0.0000	0.0004	5.1 I	0.0000	0.0003
Chlorobenzene	35	0.0001	0.0022	106	0.0003	0.0067	290	0.0008	0.0183
cis-1,2-Dichloroethene	52	0.0001	0.0033	713	0.0019	0.0449	951	0.0025	0.0599
Trichloroethene	0.59 I	0.0000	0.0000	3.2 U	0.0000	0.0002	1.9 U	0.0000	0.0001
Vinyl Chloride	41	0.0001	0.0026	690	0.0018	0.0434	971	0.0025	0.0611
1,2,4-Trimethylbenzene	3.1	0.0000	0.0002	5.4 U	0.0000	0.0003	3.1 U	0.0000	0.0002
1,3,5-Trimethylbenzene	0.32 U	0.0000	0.0000	5.4 U	0.0000	0.0003	3.2 U	0.0000	0.0002
Methylene Chloride	1.2 I	0.0000	0.0001	7.6 U	0.0000	0.0005	5.9 I	0.0000	0.0004
Totals		0.0004	0.0104		0.0042	0.1003		0.0061	0.1470

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TABLE 2
EFFLUENT AIR ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Date Collected:	11/14/14			02/27/15			05/28/15		
Air Flow Rate (scfm):	700			700			700		
Analyte	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**
Benzene	22	0.0001	0.0014	1.02	0.0000	0.0001	1.7 U	0.0000	0.0001
Toluene	4.5 U	0.0000	0.0003	2.98	0.0000	0.0002	4.3 U	0.0000	0.0003
Ethylbenzene	3.5 I	0.0000	0.0002	0.91	0.0000	0.0001	2.8 U	0.0000	0.0002
m-Xylene & p-Xylene	5.2 U	0.0000	0.0003	1.56	0.0000	0.0001	5 U	0.0000	0.0003
o-Xylene	2.7 U	0.0000	0.0002	0.74 I	0.0000	0.0000	2.5	0.0000	0.0002
1,1-Dichloroethene	1.4 U	0.0000	0.0001	0.1 U	0.0000	0.0000	1 U	0.0000	0.0001
1,2-Dichlorobenzene	12	0.0000	0.0008	2.7	0.0000	0.0002	7.5 I	0.0000	0.0005
1,4-Dichlorobenzene	3.9 U	0.0000	0.0002	0.47 I	0.0000	0.0000	3.7 U	0.0000	0.0002
Chlorobenzene	133	0.0003	0.0084	10.58	0.0000	0.0007	41	0.0001	0.0026
cis-1,2-Dichloroethene	277	0.0007	0.0174	75.31	0.0002	0.0047	360	0.0009	0.0227
Trichloroethene	1.9 U	0.0000	0.0001	0.19 U	0.0000	0.0000	1.8 U	0.0000	0.0001
Vinyl Chloride	409	0.0011	0.0257	155.86	0.0004	0.0098	520	0.0014	0.0327
1,2,4-Trimethylbenzene	3.1 U	0.0000	0.0002	0.38 I	0.0000	0.0000	2.9 U	0.0000	0.0002
1,3,5-Trimethylbenzene	3.2 U	0.0000	0.0002	0.32 U	0.0000	0.0000	3 U	0.0000	0.0002
Methylene Chloride	6.6 I	0.0000	0.0004	0.87 I,V	0.0000	0.0001	16 I	0.0000	0.0010
Totals		0.0023	0.0560		0.0007	0.0160		0.0026	0.0612

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TABLE 2
EFFLUENT AIR ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Date Collected:	11/24/15			04/11/16			05/27/16		
Air Flow Rate (scfm):	700			700			700		
Analyte	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**
Benzene	6.4	0.0000	0.0004	2.6 I	0.0000	0.0002	3.3	0.0000	0.0002
Toluene	4.5 U	0.0000	0.0003	3.6 U	0.0000	0.0002	4.0	0.0000	0.0003
Ethylbenzene	4.0 I	0.0000	0.0003	5.5 I	0.0000	0.0003	9.4	0.0000	0.0006
m-Xylene & p-Xylene	5.2 U	0.0000	0.0003	4.2 U	0.0000	0.0003	3.0	0.0000	0.0002
o-Xylene	2.6 U	0.0000	0.0002	2.1 U	0.0000	0.0001	3.0	0.0000	0.0002
1,1-Dichloroethene	1.7 I	0.0000	0.0001	1.9 I	0.0000	0.0001	1.8	0.0000	0.0001
1,2-Dichlorobenzene	22	0.0001	0.0014	17	0.0000	0.0011	21	0.0001	0.0013
1,4-Dichlorobenzene	3.9 I	0.0000	0.0002	3.3 I	0.0000	0.0002	4.4	0.0000	0.0003
Chlorobenzene	98	0.0003	0.0062	100	0.0003	0.0063	120	0.0003	0.0076
cis-1,2-Dichloroethene	740	0.0019	0.0466	630	0.0017	0.0396	430 L	0.0011	0.0271
Trichloroethene	1.9 U	0.0000	0.0001	1.5 U	0.0000	0.0001	0.24 I	0.0000	0.0000
Vinyl Chloride	920	0.0024	0.0579	1,100 L	0.0029	0.0692	480 L	0.0013	0.0302
1,2,4-Trimethylbenzene	3.1 U	0.0000	0.0002	2.5 U	0.0000	0.0002	0.39 I	0.0000	0.0000
1,3,5-Trimethylbenzene	3.2 U	0.0000	0.0002	2.6 U	0.0000	0.0002	0.32 U	0.0000	0.0000
Methylene Chloride	19	0.0000	0.0012	4.8 I,V	0.0000	0.0003	1.4 I	0.0000	0.0001
Totals		0.0048	0.1155		0.0049	0.1184		0.0028	0.0681

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TABLE 2
EFFLUENT AIR ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Date Collected:	09/09/16			12/02/16			06/01/17		
Air Flow Rate (scfm):	700			700			700		
Analyte	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**
Benzene	0.44 I	0.0000	0.0000	22	0.0001	0.0014	44	0.0001	0.0028
Toluene	1.6	0.0000	0.0001	1.7	0.0000	0.0001	4.5 U	0.0000	0.0003
Ethylbenzene	0.69 I	0.0000	0.0000	0.67 I	0.0000	0.0000	11	0.0000	0.0007
m-Xylene & p-Xylene	1.4	0.0000	0.0001	1.6	0.0000	0.0001	9.5	0.0000	0.0006
o-Xylene	0.72 I	0.0000	0.0000	0.66 I	0.0000	0.0000	3.4 I	0.0000	0.0002
1,1-Dichloroethene	0.13 U	0.0000	0.0000	0.13 U	0.0000	0.0000	1.8 I	0.0000	0.0001
1,2-Dichlorobenzene	1.9	0.0000	0.0001	5.7	0.0000	0.0004	15	0.0000	0.0009
1,4-Dichlorobenzene	0.55 I	0.0000	0.0000	1.1 I	0.0000	0.0001	3.8 U	0.0000	0.0002
Chlorobenzene	9.4	0.0000	0.0006	110	0.0003	0.0069	270	0.0007	0.0170
cis-1,2-Dichloroethene	37	0.0001	0.0023	38	0.0001	0.0024	540	0.0014	0.0340
Trichloroethene	0.3 I	0.0000	0.0000	0.71 I	0.0000	0.0000	8.7 I	0.0000	0.0005
Vinyl Chloride	47	0.0001	0.0030	40	0.0001	0.0025	240	0.0006	0.0151
1,2,4-Trimethylbenzene	0.51 I	0.0000	0.0000	1.7	0.0000	0.0001	5.6 I	0.0000	0.0004
1,3,5-Trimethylbenzene	0.32 U	0.0000	0.0000	0.32 U	0.0000	0.0000	3.2 U	0.0000	0.0002
Methylene Chloride	2.6 V	0.0000	0.0002	1.7 V	0.0000	0.0001	15 I	0.0000	0.0009
Totals		0.0003	0.0066		0.0006	0.0142		0.0031	0.0740

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TABLE 2
EFFLUENT AIR ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Date Collected:	10/16/17			11/10/17			02/23/18		
Air Flow Rate (scfm):	700			692			692		
Analyte	**Results (µg/m³)**	**Loading (lbs/hr)**	**Loading (lbs/day)**	**Results (µg/m³)**	**Loading (lbs/hr)**	**Loading (lbs/day)**	**Results (µg/m³)**	**Loading (lbs/hr)**	**Loading (lbs/day)**
Benzene	57	0.0001	0.0036	1.8 U	0.0000	0.0001	43	0.0001	0.0027
Toluene	8.0 U	0.0000	0.0005	4.5 U	0.0000	0.0003	15 U	0.0000	0.0009
Ethylbenzene	76	0.0002	0.0048	3.0 U	0.0000	0.0002	40	0.0001	0.0025
m-Xylene & p-Xylene	130	0.0003	0.0082	5.2 U	0.0000	0.0003	70	0.0002	0.0044
o-Xylene	25	0.0001	0.0016	2.6 U	0.0000	0.0002	8.7 U	0.0000	0.0005
1,1-Dichloroethene	6.6 I	0.0000	0.0004	1.3 U	0.0000	0.0001	4.7 I	0.0000	0.0003
1,2-Dichlorobenzene	54	0.0001	0.0034	4.2 U	0.0000	0.0003	33 I	0.0001	0.0021
1,4-Dichlorobenzene	7.9 I	0.0000	0.0005	3.8 U	0.0000	0.0002	13 U	0.0000	0.0008
Chlorobenzene	500	0.0013	0.0315	18	0.0000	0.0011	340	0.0009	0.0212
cis-1,2-Dichloroethene	1,600	0.0042	0.1007	14	0.0000	0.0009	1,300	0.0034	0.0809
Trichloroethene	3.6 I	0.0000	0.0002	1.9 U	0.0000	0.0001	6.3 U	0.0000	0.0004
Vinyl Chloride	780	0.0020	0.0491	71	0.0002	0.0044	580	0.0015	0.0361
1,2,4-Trimethylbenzene	5.5 U	0.0000	0.0003	3.1 U	0.0000	0.0002	10 U	0.0000	0.0006
1,3,5-Trimethylbenzene	5.6 U	0.0000	0.0004	3.2 U	0.0000	0.0002	10 U	0.0000	0.0006
Methylene Chloride	21 I	0.0001	0.0013	13 I	0.0000	0.0008	36 U	0.0001	0.0022
Totals		0.0086	0.2064		0.0004	0.0094		0.0065	0.1561

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TABLE 2
EFFLUENT AIR ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Date Collected:	05/25/18			08/31/18			11/08/18		
Air Flow Rate (scfm):	692			692			692		
Analyte	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**
Benzene	29	0.0001	0.0018	67	0.0002	0.0042	24	0.0001	0.0015
Toluene	4.5 U	0.0000	0.0003	9 U	0.0000	0.0006	8.4 U	0.0000	0.0005
Ethylbenzene	3.0 U	0.0000	0.0002	5.9 U	0.0000	0.0004	5.5 U	0.0000	0.0003
m-Xylene & p-Xylene	5.2 U	0.0000	0.0003	10 U	0.0000	0.0006	9.6 U	0.0000	0.0006
o-Xylene	2.6 U	0.0000	0.0002	5.3 U	0.0000	0.0003	4.9 U	0.0000	0.0003
1,1-Dichloroethene	5.7 I	0.0000	0.0004	17	0.0000	0.0011	5.2 I	0.0000	0.0003
1,2-Dichlorobenzene	4.2 U	0.0000	0.0003	8.4 U	0.0000	0.0005	7.8 U	0.0000	0.0005
1,4-Dichlorobenzene	3.8 U	0.0000	0.0002	7.7 U	0.0000	0.0005	7.1 U	0.0000	0.0004
Chlorobenzene	9.8	0.0000	0.0006	99	0.0003	0.0062	81	0.0002	0.0050
cis-1,2-Dichloroethene	1,300	0.0034	0.0809	4,200	0.0109	0.2613	1,600	0.0041	0.0995
Trichloroethene	1.9 U	0.0000	0.0001	3.9 U	0.0000	0.0002	5.0 I	0.0000	0.0003
Vinyl Chloride	1,000	0.0026	0.0622	2,000	0.0052	0.1244	700	0.0018	0.0436
1,2,4-Trimethylbenzene	3.1 U	0.0000	0.0002	6.2 U	0.0000	0.0004	5.7 U	0.0000	0.0004
1,3,5-Trimethylbenzene	3.2 U	0.0000	0.0002	6.4 U	0.0000	0.0004	5.9 U	0.0000	0.0004
Methylene Chloride	12 I	0.0000	0.0007	22 U	0.0001	0.0014	23 I	0.0001	0.0014
Totals		0.0062	0.1486		0.0168	0.4024		0.0065	0.1551

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TABLE 2
EFFLUENT AIR ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Date Collected:	02/28/19			06/07/19			09/27/19		
Air Flow Rate (scfm):	692			692			701		
Analyte	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**
Benzene	29	0.0001	0.0018	26 I	0.0001	0.0016	26	0.0001	0.0016
Toluene	14 U	0.0000	0.0009	36 I	0.0001	0.0022	7 U	0.0000	0.0004
Ethylbenzene	9.3 U	0.0000	0.0006	16 U	0.0000	0.0010	4.6 U	0.0000	0.0003
m-Xylene & p-Xylene	16 U	0.0000	0.0010	27 U	0.0001	0.0017	8.2 I	0.0000	0.0005
o-Xylene	8.4 U	0.0000	0.0005	14 U	0.0000	0.0009	4.1 U	0.0000	0.0003
1,1-Dichloroethene	9.3 I	0.0000	0.0006	10 I	0.0000	0.0006	3.9 I	0.0000	0.0002
1,2-Dichlorobenzene	13 U	0.0000	0.0008	22 U	0.0001	0.0014	6.5 U	0.0000	0.0004
1,4-Dichlorobenzene	12 U	0.0000	0.0007	20 U	0.0001	0.0012	6 U	0.0000	0.0004
Chlorobenzene	74	0.0002	0.0046	57	0.0001	0.0035	50	0.0001	0.0031
cis-1,2-Dichloroethene	2,500	0.0065	0.1555	2600	0.0067	0.1618	1,100	0.0029	0.0684
Trichloroethene	6.1 U	0.0000	0.0004	16 I	0.0000	0.0010	33	0.0001	0.0021
Vinyl Chloride	1,300	0.0034	0.0809	940	0.0024	0.0585	670	0.0017	0.0417
1,2,4-Trimethylbenzene	9.8 U	0.0000	0.0006	16 U	0.0000	0.0010	4.8 I	0.0000	0.0003
1,3,5-Trimethylbenzene	10 U	0.0000	0.0006	17 U	0.0000	0.0011	5 U	0.0000	0.0003
Methylene Chloride	35 U	0.0001	0.0022	230	0.0006	0.0143	23 I	0.0001	0.0014
Totals		0.0105	0.2517		0.0105	0.2518		0.0051	0.1215

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TABLE 2
EFFLUENT AIR ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Date Collected:	11/22/19		
Air Flow Rate (scfm):	701		
Analyte	**Results ($\mu g/m^3$)**	**Loading (lbs/hr)**	**Loading (lbs/day)**
Benzene	15	0.0000	0.0009
Toluene	6.9 I	0.0000	0.0004
Ethylbenzene	3 I	0.0000	0.0002
m-Xylene & p-Xylene	9.8	0.0000	0.0006
o-Xylene	2.9 I	0.0000	0.0002
1,1-Dichloroethene	3.7 I	0.0000	0.0002
1,2-Dichlorobenzene	4.2 U	0.0000	0.0003
1,4-Dichlorobenzene	3.8 U	0.0000	0.0002
Chlorobenzene	36	0.0001	0.0022
cis-1,2-Dichloroethene	970	0.0025	0.0604
Trichloroethene	15	0.0000	0.0009
Vinyl Chloride	580	0.0015	0.0361
1,2,4-Trimethylbenzene	3.1 U	0.0000	0.0002
1,3,5-Trimethylbenzene	3.2 U	0.0000	0.0002
Methylene Chloride	11 U	0.0000	0.0007
Totals		0.0043	0.1038

Footnotes:

$\mu g/m^3$ - micrograms per cubic meter air
J - Estimated result. Result is less than reportable level.
B - Method black contamination. The associated method blank contains the target analyte at a reportable level.
U - The compound was analyzed for but not detected.
I - The reported value is between MDL and PQL
V - Indicated that the analyte was detected at or above the method detection limit in both the sample and the associated method blank and the value of 10 times the blank value was equal to or greater than the associated sample value.
D - Compound quantitated using a secondary dilution.
scfm - standard cubic feet per minute
lbs/hr - pounds per hour
lbs/day - pounds per day
– For results below the detection limit, one half of the detection limit is used to calculate estimated loading.

TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-1B 05/27/15	MW-1B 11/17/15	MW-1B 05/24/16	MW-1B 11/30/16	MW-1B 05/31/17	MW-1B 11/07/17	MW-1B 05/21/18
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.25 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.24 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.27 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.32 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.26 U	0.26 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.24 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.26 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.36 U	0.22 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.27 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.29 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.32 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.39 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.26 U	0.26 U

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-1B 11/07/18	MW-1B 05/08/19	MW-1B 11/19/19	MW-1C 05/27/15	MW-1C 11/17/15	MW-1C 05/24/16	MW-1C 11/30/16
Benzene	1	100	ug/L	0.25 U	0.25 U	0.25 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.24 U	0.24 U	0.24 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.27 U	0.27 U	0.27 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.32 U	0.32 U	0.32 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.26 U	0.26 U	0.26 U	0.67 U	0.67 U	0.67 U	0.67 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.24 U	0.24 U	0.24 U	0.49 U	0.95 I	0.49 U	0.55 I
1,3-Dichlorobenzene	210	2,100	ug/L	0.26 U	0.26 U	0.26 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.22 U	0.22 U	0.22 U	0.60 U	0.60 U	0.60 U	0.60 U
Chlorobenzene	100	1,000	ug/L	0.27 U	0.27 U	0.27 U	5.6	8.5	2.7	6.2
Chloroform	70	700	ug/L	0.29 U	0.29 U	0.29 U	0.90 U	0.90 U	1.4	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.32 U	0.32 U	0.32 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.39 U	0.39 U	0.39 U	0.67 U	0.67 U	0.67 U	0.67 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.26 U	0.26 U	0.26 U	0.71 U	**1.8**	0.71 U	0.85 I

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-1C 05/31/17	MW-1C 11/07/17	MW-1C 05/21/18	MW-1C 11/07/18	MW-1C 05/08/19	MW-1C 11/19/19	MW-1D 05/27/15
Benzene	1	100	ug/L	0.50 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.24 U	0.24 U	0.24 U	0.24 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.27 U	0.27 U	0.27 U	0.27 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.67 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.67 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.75 I	0.56 I	0.24 U	0.90 I	1.1	1.2	0.49 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.26 U	0.26 U	0.26 U	0.26 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.60 U	0.36 U	0.22 U	0.22 U	0.29 I	0.22 U	0.78 I
Chlorobenzene	100	1,000	ug/L	5.5	4.3	5.6	6.6	6.8	5.6	17
Chloroform	70	700	ug/L	0.90 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.32 U	0.34 I	0.32 U	0.32 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.67 U	0.67 U	0.39 U	0.39 U	0.39 U	0.39 U	0.67 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.71 U	0.26 U	0.26 U	0.33 I	0.26 U	0.26 U	0.71 U

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-1D 11/17/15	MW-1D 05/25/16	MW-1D 11/30/16	MW-1D 05/31/17	MW-1D 11/07/17	MW-1D 05/21/18	MW-1D 11/07/18
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.27 I	0.30 I
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.24 U	0.24 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.27 U	0.27 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.32 U	0.32 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	0.67 U	0.67 U	0.67 U	0.67 U	0.26 U	0.26 U	0.26 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.66 I	0.70 I	0.72 I	0.49 U	1.7	0.78 I	0.44 I
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.26 U	0.26 U
1,4-Dichlorobenzene	75	7,500	ug/L	2.3	1.8	1.5	0.60 U	2	1.7	1.2
Chlorobenzene	100	1,000	ug/L	40	33	43	30	71	52	48
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.29 U	0.29 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.32 U	0.32 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.39 U	0.39 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.71 U	0.71 U	0.71 U	0.71 U	0.26 U	0.26 U	0.26 U

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-1D 05/08/19	MW-1D 11/20/19	MW-1E 05/27/15	MW-1E 11/18/15	MW-1E 05/25/16	MW-1E 11/30/16	MW-1E 05/31/17
Benzene	1	100	ug/L	0.33 I	0.45 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.24 U	0.24 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.27 U	0.27 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.32 U	0.32 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.26 U	0.26 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
1,2-Dichlorobenzene	600	6,000	ug/L	3.4	3.6	5.9	9	9.4	9.3	5.5
1,3-Dichlorobenzene	210	2,100	ug/L	0.26 U	0.26 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	2.1	2.3	1.8	2.3	2.6	2.8	1.5
Chlorobenzene	100	1,000	ug/L	78	84	48	99	99	**110**	78
Chloroform	70	700	ug/L	0.29 U	0.29 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.32 U	0.32 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.39 U	0.39 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.37 I	0.74 I	0.71 U	0.84 I	0.71 U	0.71 U	0.71 U

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-1E 11/07/17	MW-1E 05/21/18	MW-1E 11/07/18	MW-1E 05/08/19	MW-1E 11/20/19	MW-1F 05/27/15	MW-1F 11/18/15
Benzene	1	100	ug/L	0.50 U	0.33 I	0.33 I	0.36 I	0.25 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.24 U	0.24 U	0.24 U	0.24 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.27 U	0.27 U	0.27 U	0.27 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.67 U	0.67 U
1,2-Dichlorobenzene	600	6,000	ug/L	11	8.6	6.9	7.9	8.2	0.49 U	0.49 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.26 U	0.26 U	0.26 U	0.32 I	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	4.2	3.8	3.3	3.4	4.2	0.60 U	0.60 U
Chlorobenzene	100	1,000	ug/L	**150**	**130**	**120**	**110**	**120**	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.32 U	0.32 U	0.32 U	0.32 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.67 U	0.39 U	0.39 U	0.39 U	0.39 U	0.67 U	0.67 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.26 U	0.26 U	0.50 I	**1.3**	**1.8**	0.71 U	0.71 U

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-1F 05/25/16	MW-1F 11/30/16	MW-1F 05/31/17	MW-1F 11/07/17	MW-1F 05/21/18	MW-1F 11/07/18	MW-1F 05/08/19
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.25 U	0.25 U	0.25 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.24 U	0.24 U	0.24 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.27 U	0.27 U	0.27 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.32 U	0.32 U	0.32 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	0.67 U	0.67 U	0.67 U	0.26 U	0.26 U	0.26 U	0.26 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.49 U	0.49 U	0.49 U	0.49 U	0.24 U	0.24 U	0.24 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.26 U	0.26 U	0.26 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.60 U	0.60 U	0.60 U	0.36 U	0.22 U	0.22 U	0.22 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 U	0.63 U	0.27 U	0.27 U	0.27 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.29 U	0.29 U	0.29 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.32 U	0.32 U	0.32 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.67 U	0.67 U	0.67 U	0.67 U	0.39 U	0.39 U	0.39 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.71 U	0.71 U	0.71 U	0.26 U	0.26 U	0.26 U	0.26 U

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-1F 11/20/19	MW-3B 05/26/15	MW-3B 11/17/15	MW-3B 05/24/16	MW-3B 11/29/16	MW-3B 05/30/17	MW-3B 11/07/17
Benzene	1	100	ug/L	0.25 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.24 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.27 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.32 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	0.26 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.26 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.24 U	0.81 I	1.1	0.80 I	0.49 U	0.49 U	0.49 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.26 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.22 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.36 U
Chlorobenzene	100	1,000	ug/L	0.27 U	0.63 U	0.81 I	0.63 U	0.63 U	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.29 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	0.32 U	0.72 I	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.39 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.26 U	0.71 U	**2.1**	0.71 U	0.71 U	0.71 U	0.26 U

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-3B 05/23/18	MW-3B 11/06/18	MW-3B 05/07/19	MW-3B 11/19/19	MW-3C 05/27/15	MW-3C 11/17/15	MW-3C 05/24/16
Benzene	1	100	ug/L	0.25 U	0.25 U	0.25 U	0.25 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.24 U	0.24 U	0.24 U	0.24 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.27 U	0.27 U	0.27 U	0.27 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.32 U	0.32 U	0.32 U	0.32 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.26 U	0.26 U	0.26 U	0.26 U	0.67 U	0.67 U	0.67 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.24 U	0.24 U	0.24 U	0.24 U	0.49 U	0.49 U	0.49 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.26 U	0.26 U	0.26 U	0.26 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.22 U	0.22 U	0.22 U	0.22 U	0.60 U	0.60 U	0.60 U
Chlorobenzene	100	1,000	ug/L	0.27 U	0.27 U	0.27 U	0.27 U	0.63 U	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.29 U	0.29 U	0.29 U	0.29 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.32 U	0.32 U	0.32 U	0.32 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.39 U	0.39 U	0.39 U	0.39 U	0.67 U	0.67 U	0.67 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.26 U	0.26 U	0.26 U	0.26 U	0.71 U	0.71 U	0.71 U

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-3C 11/29/16	MW-3C 05/30/17	MW-3C 11/07/17	MW-3C 05/23/18	MW-3C 11/06/18	MW-3C 05/07/19	MW-3C 11/19/19
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.24 U	0.24 U	0.24 U	0.24 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.27 U	0.27 U	0.27 U	0.27 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	0.67 U	0.67 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.49 U	0.49 U	0.49 U	0.24 U	0.24 U	0.24 U	0.24 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.26 U	0.26 U	0.26 U	0.26 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.60 U	0.60 U	0.36 U	0.22 U	0.22 U	0.22 U	0.22 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 U	0.27 U	0.27 U	0.27 U	0.27 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.32 U	0.32 U	0.32 U	0.32 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.67 U	0.67 U	0.67 U	0.39 U	0.39 U	0.39 U	0.39 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.71 U	0.71 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-4B 05/27/15	MW-4B 11/17/15	MW-4B 05/24/16	MW-4B 11/29/16	MW-4B 05/31/17	MW-4B 11/07/17	MW-4B 05/24/18
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.25 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.24 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.27 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.32 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.26 U	0.26 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.49 U	0.64 I	0.77 I	0.64 I	0.69 I	0.85 I	0.55 I
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.26 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.60 U	0.62 I	3.7	3.2	2.9	3.1	2.1
Chlorobenzene	100	1,000	ug/L	0.63 U	11	54	54	58	51	25
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.29 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	1	0.71 I	0.65 U	1.1	0.65 U	0.38 I
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.39 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.71 U	**1.2**	0.71 U	0.71 U	0.71 U	0.26 U	0.26 U

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-4B 11/06/18	MW-4B 05/07/19	MW-4B 11/19/19	MW-4C 05/27/15	MW-4C 11/17/15	MW-4C 05/24/16	MW-4C 11/29/16
Benzene	1	100	ug/L	0.25 U	0.25 U	0.25 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.24 U	0.24 U	0.24 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.27 U	0.27 U	0.27 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.32 U	0.32 U	0.32 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.26 U	0.26 U	0.26 U	0.67 U	0.67 U	0.67 U	0.67 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.36 I	0.24 U	0.39 I	0.49 U	0.49 U	0.49 U	0.49 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.26 U	0.26 U	0.26 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	1.1	0.44 I	1.5	0.60 U	0.60 U	0.60 U	0.60 U
Chlorobenzene	100	1,000	ug/L	16	4.7	30	0.63 U	0.63 U	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.29 U	0.29 U	0.29 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.32 U	0.32 U	0.32 U	0.65 U	0.65 U	1.1	1.2
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.39 U	0.39 U	0.39 U	0.67 U	0.67 U	0.67 U	0.67 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.26 U	0.26 U	0.26 U	0.71 U	0.71 U	0.95 I	**1.2**

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-4C 05/31/17	MW-4C 11/07/17	MW-4C 05/24/18	MW-4C 11/06/18	MW-4C 05/07/19	MW-4C 11/19/19	MW-12A 05/26/15
Benzene	1	100	ug/L	0.50 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.24 U	0.24 U	0.24 U	0.24 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.27 U	0.27 U	0.27 U	0.27 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.67 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.67 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.49 U	0.49 U	0.24 U	0.24 U	0.24 U	0.24 U	2.4
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.26 U	0.26 U	0.26 U	0.26 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.60 U	0.36 U	0.22 U	0.22 U	0.22 U	0.22 U	0.60 U
Chlorobenzene	100	1,000	ug/L	0.63 U	1.6	0.98 I	1.5	1.1	0.70 I	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.85 I	0.58 I	0.73 I	0.35 I	0.59 I	0.97 I
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.67 U	0.67 U	0.39 U	0.39 U	0.39 U	0.39 U	0.92 I
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.71 U	0.26 U	0.26 U	0.32 I	0.26 U	0.26 U	**1.4**

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-12A 11/16/15	MW-12A 05/23/16	MW-12A 11/29/16	MW-12A 05/30/17	MW-12A 11/06/17	MW-12A 05/22/18	MW-12A 11/05/18
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.25 U	0.25 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.24 U	0.24 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.27 U	0.27 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.32 U	0.32 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	0.67 U	0.67 U	0.67 U	0.67 U	0.26 U	0.26 U	0.26 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.24 U	0.24 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.26 U	0.26 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.60 U	0.60 U	0.60 U	0.60 U	0.36 U	0.22 U	0.22 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.27 U	0.27 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.29 U	0.29 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.32 U	0.32 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.39 U	0.39 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.71 U	0.71 U	0.71 U	0.71 U	0.26 U	0.26 U	0.26 U

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-12A 05/06/19	MW-12A 11/19/19	MW-12B 05/26/15	MW-12B 11/16/15	MW-12B 05/23/16	MW-12B 11/29/16	MW-12B 05/30/17
Benzene	1	100	ug/L	0.25 U	0.25 U	0.50 U	0.50 U	**26**	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.24 U	0.24 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.27 U	0.27 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.66 I	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.32 U	0.32 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.26 U	0.26 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.24 U	0.24 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.26 U	0.26 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.22 U	0.22 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
Chlorobenzene	100	1,000	ug/L	0.27 U	0.27 U	0.63 U	0.63 U	86	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.29 U	0.29 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.32 U	0.32 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.39 U	0.39 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.26 U	0.26 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-12B 11/06/17	MW-12B 05/22/18	MW-12B 11/05/18	MW-12B 05/06/19	MW-12B 11/19/19	MW-13A 05/26/15	MW-13A 11/16/15
Benzene	1	100	ug/L	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.24 U	0.24 U	0.24 U	0.24 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.27 U	0.27 U	0.27 U	0.27 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.4 I	1.7 I
1,1-Dichloroethane	70	700	ug/L	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	1.2	1.4
1,2-Dichlorobenzene	600	6,000	ug/L	0.49 U	0.24 U	0.24 U	0.24 U	0.24 U	62	83
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.26 U	0.26 U	0.26 U	0.26 U	0.67 I	0.74 I
1,4-Dichlorobenzene	75	7,500	ug/L	0.36 U	0.22 U	0.22 U	0.22 U	0.22 U	3.3	4.2
Chlorobenzene	100	1,000	ug/L	0.63 U	0.27 U	0.27 U	0.27 U	0.27 U	1.8	1.2
Chloroform	70	700	ug/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.32 U	0.32 U	0.32 U	0.32 U	41	43
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	**7**	**11**
trans-1,2-Dichloroethene	100	1,000	ug/L	0.67 U	0.39 U	0.39 U	0.39 U	0.39 U	1.5	1.2
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	**51**	**73**
Vinyl Chloride	1	100	ug/L	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	**15**	**15**

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-13A 05/23/16	MW-13A 11/29/16	MW-13A 05/30/17	MW-13A 11/06/17	MW-13A 05/22/18	MW-13A 11/05/18	MW-13A 05/06/19
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.25 U	0.25 U	0.25 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.24 U	0.24 U	0.24 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.27 U	0.27 U	0.27 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.81 I	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.32 U	0.32 U	0.32 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	0.67 U	1.1	0.67 U	0.26 U	0.26 U	0.26 U	0.26 U
1,2-Dichlorobenzene	600	6,000	ug/L	30	65	22	5.5	3.8	2.2	1.5
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.26 U	0.26 U	0.26 U
1,4-Dichlorobenzene	75	7,500	ug/L	1.8	3.4	0.60 U	0.36 U	0.22 U	0.22 U	0.22 U
Chlorobenzene	100	1,000	ug/L	0.63 U	1.5	0.63 U	0.63 U	0.27 U	0.27 U	0.27 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.29 U	0.29 U	0.29 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	28	25	22	1.3	2.5	0.55 I	0.32 U
Tetrachloroethene	3	300	ug/L	**4.8**	**7.1**	**4.5**	0.82 I	0.92 I	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.84 I	0.85 I	0.78 I	0.67 U	0.39 U	0.39 U	0.39 U
Trichloroethene	3	300	ug/L	**80**	**47**	**26**	2.8	**3.8**	1.2 I	0.83 I
Vinyl Chloride	1	100	ug/L	**7.7**	**12**	**3.3**	0.26 U	0.26 U	0.26 U	0.26 U

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-13A 11/18/19	MW-13B 05/26/15	MW-13B 11/16/15	MW-13B 05/23/16	MW-13B 11/29/16	MW-13B 05/30/17	MW-13B 11/06/17
Benzene	1	100	ug/L	0.25 U	**1.6**	0.76 I	**44**	**11**	**1.3**	0.50 U
Toluene	1,000	10,000	ug/L	0.24 U	0.51 U	0.51 U	0.56 I	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.27 U	0.54 I	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.69 I	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.32 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	0.26 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.26 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.57 I	1.2	1	5.9	3.7	1	0.66 I
1,3-Dichlorobenzene	210	2,100	ug/L	0.26 U	0.96 I	0.64 U	3	2.1	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.22 U	4.4	3.1	21	14	2.2	0.81 I
Chlorobenzene	100	1,000	ug/L	0.27 U	**140**	74	**440**	**320**	66	9.3
Chloroform	70	700	ug/L	0.29 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	0.32 U	0.65 U	0.79 I	0.65 U	1.2	2.4	3
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.39 U	0.67 U	0.67 U	1.4	0.97 I	0.67 U	0.67 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.26 U	**2.5**	**5.1**	**4.9**	**11**	**4.2**	0.26 U

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-13B 05/22/18	MW-13B 11/05/18	MW-13B 05/06/19	MW-13B 11/18/19	MW-13C 05/26/15	MW-13C 11/16/15	MW-13C 05/23/16
Benzene	1	100	ug/L	0.25 U	0.25 U	0.25 U	0.25 U	**2.6**	**3.5 [3.8]**	**13**
Toluene	1,000	10,000	ug/L	0.24 U	0.24 U	0.24 U	0.24 U	0.51 U	0.51 U [0.51 U]	0.51 U
Ethylbenzene	700	7,000	ug/L	0.27 U	0.27 U	0.27 U	0.27 U	16	35 [35]	14
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	3.2	4.6 [5.0]	2.4 I
1,1-Dichloroethane	70	700	ug/L	0.32 U	0.32 U	0.32 U	0.32 U	0.52 U	0.52 U [0.52 U]	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.26 U	0.26 U	0.26 U	0.26 U	0.67 U	0.67 U [0.67 U]	0.67 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.24 U	0.24 U	0.24 U	0.24 U	8.9	15 [15]	3
1,3-Dichlorobenzene	210	2,100	ug/L	0.26 U	0.26 U	0.26 U	0.26 U	1.1	1.3 [1.4]	0.99 I
1,4-Dichlorobenzene	75	7,500	ug/L	0.40 I	0.40 I	0.22 U	0.43 I	11	14 [14]	9.9
Chlorobenzene	100	1,000	ug/L	2.3	5.5	1.1	1.8	**120**	**180 [170]**	**150**
Chloroform	70	700	ug/L	0.29 U	0.29 U	0.29 U	0.29 U	0.90 U	0.90 U [0.90 U]	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	1.3	0.62 I	0.32 U	0.32 U	69	6.5 [6.7]	1.5
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.39 U	0.39 U	0.39 U	0.39 U	0.67 U	0.67 U [0.67 U]	0.67 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U [0.61 U]	0.61 U
Vinyl Chloride	1	100	ug/L	0.62 I	0.54 I	0.26 U	0.73 I	**150**	**92 [94]**	0.71 U

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-13C 11/29/16	MW-13C 05/30/17	MW-13C 11/06/17	MW-13C 05/22/18	MW-13C 11/05/18	MW-13C 05/06/19	MW-13C 11/18/19
Benzene	1	100	ug/L	**8.7**	**2.6**	0.82 I	0.44 I	**1.2**	0.61 I	**1.5**
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.24 U	0.24 U	0.24 U	0.24 U
Ethylbenzene	700	7,000	ug/L	6.4	2	0.44 U	0.27 U	0.38 I	0.27 U	0.51 I
Xylenes (total)	10,000	100,000	ug/L	1.9 I	1.9 I	0.50 U	0.50 U	1.3 I	0.50 U	1.0 I
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	0.67 U	0.67 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
1,2-Dichlorobenzene	600	6,000	ug/L	1.7	1.2	1.1	0.89 I	2	1.6	2.4
1,3-Dichlorobenzene	210	2,100	ug/L	0.85 I	1	0.80 I	0.26 U	0.81 I	0.40 I	0.77 I
1,4-Dichlorobenzene	75	7,500	ug/L	8.1	8	6.8	5.6	6	3.5	5.7
Chlorobenzene	100	1,000	ug/L	**120**	**110**	**110**	65	100	32	78
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	1.9	1.4	1.2	1.3	1.2	1.1	0.81 I
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.67 U	0.67 U	0.67 U	0.39 U	0.39 U	0.39 U	0.39 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	**3.4**	0.71 U	0.26 U	0.64 I	**5**	0.34 I	1

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-14A 11/13/13	MW-14A 11/10/14	MW-14A 11/16/15	MW-14A 11/28/16	MW-14A 11/06/17	MW-14A 11/05/18	MW-14A 11/18/19
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.25 U	0.25 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.24 U	0.24 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.27 U	0.27 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.32 U	0.32 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.67 U	0.67 U	0.26 U	0.26 U	0.26 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U	0.44 U	0.49 U	0.92 I	0.49 U	0.24 U	0.24 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.26 U	0.26 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U	0.60 U	0.60 U	0.36 U	0.22 U	0.22 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.27 U	0.27 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.29 U	0.29 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	0.93 I	0.65 U	0.65 U	0.65 U	0.65 U	0.32 U	0.32 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.67 U	0.67 U	0.67 U	0.39 U	0.39 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.50 U	0.50 U	0.71 U	0.71 U	0.26 U	0.26 U	0.26 U

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-14B 11/13/13	MW-14B 11/10/14	MW-14B 11/16/15	MW-14B 11/28/16	MW-14B 11/06/17	MW-14B 11/05/18	MW-14B 11/18/19
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.25 U	0.25 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.24 U	0.24 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.27 U	0.27 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.32 U	0.32 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.67 U	0.67 U	0.26 U	0.26 U	0.26 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U	0.44 U	0.49 U	0.49 U	0.49 U	0.24 U	0.24 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.26 U	0.26 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U	0.60 U	0.60 U	0.36 U	0.22 U	0.22 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.27 U	0.27 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.29 U	0.29 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.32 U	0.32 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.67 U	0.67 U	0.67 U	0.39 U	0.39 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.50 U	0.50 U	0.71 U	0.71 U	0.26 U	0.26 U	0.26 U

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-14C 11/13/13	MW-14C 11/11/14	MW-14C 11/16/15	MW-14C 11/29/16	MW-14C 11/06/17	MW-14C 11/05/18	MW-14C 11/18/19
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.25 U	0.25 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.24 U	0.24 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.27 U	0.27 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.32 U	0.32 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.67 U	0.67 U	0.26 U	0.26 U	0.26 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U	0.44 U	0.49 U	0.49 U	0.49 U	0.24 U	0.24 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.26 U	0.26 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U	0.60 U	0.60 U	0.36 U	0.22 U	0.22 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.27 U	0.27 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.29 U	0.29 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.32 U	0.32 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.67 U	0.67 U	0.67 U	0.39 U	0.39 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.50 U	0.50 U	0.71 U	0.71 U	0.26 U	0.26 U	0.26 U

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-18A 11/15/13	MW-18A 11/13/14	MW-18A 11/24/15	MW-18A 12/02/16	MW-18A 11/09/17	MW-18A 11/11/18	MW-18A 11/22/19
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.25 U	0.25 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.24 U	0.24 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.27 U	0.27 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.32 U	0.32 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.67 U	0.67 U	0.67 U	0.26 U	0.26 U	0.26 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U	0.49 U	0.49 U	0.49 U	0.49 U	0.24 U	0.24 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.26 U	0.26 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.60 U	0.60 U	0.60 U	0.36 U	0.22 U	0.22 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.27 U	0.27 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.29 U	0.29 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.32 U	0.32 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ3	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.67 U	0.67 U	0.67 U	0.67 U	0.39 U	0.39 U
Trichloroethene	3	300	ug/L	0.50 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.50 U	0.71 U	0.71 U	0.71 U	0.26 U	0.26 U	0.26 U

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-18B 11/15/13	MW-18B 11/13/14	MW-18B 11/24/15	MW-18B 12/02/16	MW-18B 11/09/17	MW-18B 11/11/18	MW-18B 11/22/19
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.25 U	0.25 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.24 U	0.24 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.27 U	0.27 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	1.5	0.70 I	0.52 U	0.52 U	0.32 U	0.32 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	5.4	5.3	1.7	0.74 I	1.7 J3	1.5	1.8
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U	0.49 U	0.49 U	0.49 U	0.49 U	0.24 U	0.24 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.26 U	0.26 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.60 U	0.60 U	0.60 U	0.36 U	0.22 U	0.22 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.27 U	0.27 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.29 U	0.29 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.33 I	0.32 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ3	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.67 U	0.67 U	0.67 U	0.67 U	0.39 U	0.39 U
Trichloroethene	3	300	ug/L	0.50 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.50 U	0.71 U	0.71 U	0.71 U	0.26 U	0.26 U	0.26 U

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-18C 11/15/13	MW-18C 11/13/14	MW-18C 11/24/15	MW-18C 12/02/16	MW-18C 11/09/17	MW-18C 11/11/18	MW-18C 11/22/19
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.25 U	0.25 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.24 U	0.24 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.27 U	0.27 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.32 U	0.32 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.67 U	0.67 U	0.67 U	0.26 U	0.26 U	0.26 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U	0.49 U	0.49 U	0.49 U	0.49 U	0.24 U	0.24 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.26 U	0.26 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.60 U	0.60 U	0.60 U	0.36 U	0.22 U	0.22 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.27 U	0.27 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.29 U	0.29 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.32 U	0.32 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ3	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.67 U	0.67 U	0.67 U	0.67 U	0.39 U	0.39 U
Trichloroethene	3	300	ug/L	0.50 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.50 U	0.71 U	0.71 U	0.71 U	0.26 U	0.26 U	0.26 U

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-19A 05/28/15	MW-19A 11/24/15	MW-19A 05/26/16	MW-19A 12/01/16	MW-19A 06/01/17	MW-19A 11/09/17	MW-19A 05/25/18
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.25 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.24 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.27 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.32 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.26 U	0.26 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.24 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.26 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.36 U	0.22 U
Chlorobenzene	100	1,000	ug/L	1.5	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.27 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.29 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.32 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.39 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.26 U	0.26 U

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-19A 11/09/18	MW-19A 05/09/19	MW-19A 11/21/19	MW-19B 05/28/15	MW-19B 11/24/15	MW-19B 05/26/16	MW-19B 12/01/16
Benzene	1	100	ug/L	0.25 U	0.25 U	0.25 U	0.50 U	0.50 U [0.50 U]	0.50 U	1.0 U
Toluene	1,000	10,000	ug/L	0.24 U	0.24 U	0.24 U	0.51 U	0.51 U [0.51 U]	0.51 U	1.0 U
Ethylbenzene	700	7,000	ug/L	0.27 U	0.27 U	0.27 U	0.44 U	0.44 U [0.44 U]	0.44 U	0.88 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	1.0 U
1,1-Dichloroethane	70	700	ug/L	0.32 U	0.32 U	0.32 U	0.52 U	0.52 U [0.52 U]	0.52 U	1.0 U
1,1-Dichloroethene	7	70	ug/L	0.26 U	0.26 U	0.26 U	0.67 U	0.67 U [0.67 U]	0.67 U	1.3 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.24 U	0.24 U	0.24 U	1.3	0.96 I [0.86 I]	0.95 I	1.3 I
1,3-Dichlorobenzene	210	2,100	ug/L	0.26 U	0.26 U	0.26 U	0.64 U	0.64 U [0.64 U]	0.64 U	1.3 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.22 U	0.22 U	0.22 U	0.60 U	0.60 U [0.60 U]	0.60 U	1.2 U
Chlorobenzene	100	1,000	ug/L	0.27 U	0.27 U	0.27 U	1.6	2.2 [2.2]	3.5	4.4
Chloroform	70	700	ug/L	0.29 U	0.29 U	0.29 U	0.90 U	0.90 U [0.90 U]	0.90 U	1.8 U
cis-1,2-Dichloroethene	70	700	ug/L	0.32 U	0.32 U	0.32 U	0.65 U	0.65 U [0.65 U]	0.65 U	1.3 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	1.0 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.39 U	0.39 U	0.39 U	2.2	2.2 [2.1]	1.7	1.3 I
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U [0.61 U]	0.61 U	1.2 U
Vinyl Chloride	1	100	ug/L	0.26 U	0.26 U	0.26 U	**86**	**160 [160]**	**220**	**220**

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-19B 06/01/17	MW-19B 11/09/17	MW-19B 05/25/18	MW-19B 11/09/18	MW-19B 05/09/19	MW-19B 11/21/19	MW-19C 05/28/15
Benzene	1	100	ug/L	0.50 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.24 U	0.24 U	0.24 U	0.24 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.27 U	0.27 U	0.27 U	0.27 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.67 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.67 U
1,2-Dichlorobenzene	600	6,000	ug/L	2.5	4	6.5	5.4	3.9	3.3	15
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.26 U	0.26 U	0.26 U	0.26 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.60 U	0.36 U	0.63 I	0.58 I	0.45 I	0.50 I	0.60 U
Chlorobenzene	100	1,000	ug/L	7.1	5.9	3.5	2.6	2.4	3	1.7
Chloroform	70	700	ug/L	0.90 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.32 U	0.32 U	0.32 U	0.32 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	2.6	1.2	0.76 I	0.55 I	0.39 U	0.39 U	0.67 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	**190**	**93**	**46**	**15**	**5.3**	**3.6**	**51**

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-19C 11/24/15	MW-19C 05/26/16	MW-19C 12/01/16	MW-19C 06/01/17	MW-19C 11/09/17
Benzene	1	100	ug/L	0.50 U	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U [0.50 U]
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U [0.51 U]	0.51 U [0.51 U]	0.51 U [0.51 U]	0.51 U [0.51 U]
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U [0.44 U]	0.44 U [0.44 U]	0.44 U [0.44 U]	0.44 U [0.44 U]
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U [0.50 U]
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U [0.52 U]	0.52 U [0.52 U]	0.52 U [0.52 U]	0.32 U [0.32 U]
1,1-Dichloroethene	7	70	ug/L	0.67 U	0.67 U [0.67 U]	0.67 U [0.67 U]	0.67 U [0.67 U]	0.26 U [0.26 U]
1,2-Dichlorobenzene	600	6,000	ug/L	16	18 [17]	13 [14]	14 [14]	12 [12]
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U [0.64 U]	0.64 U [0.64 U]	0.64 U [0.64 U]	0.64 U [0.64 U]
1,4-Dichlorobenzene	75	7,500	ug/L	0.60 I	0.99 I [0.98 I]	0.71 I [0.68 I]	0.60 U [0.60 U]	0.36 U [0.36 U]
Chlorobenzene	100	1,000	ug/L	1.7	1.6 [1.5]	0.88 I [0.90 I]	0.79 I [0.81 I]	0.72 I [0.68 I]
Chloroform	70	700	ug/L	0.90 U	0.90 U [0.90 U]	0.90 U [0.90 U]	0.90 U [0.90 U]	0.29 U [0.29 U]
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U [0.65 U]	0.65 U [0.65 U]	0.65 U [0.65 U]	0.65 U [0.65 U]
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U [0.50 U]
trans-1,2-Dichloroethene	100	1,000	ug/L	0.67 U	0.67 U [0.67 U]	0.67 U [0.67 U]	0.67 U [0.67 U]	0.67 U [0.67 U]
Trichloroethene	3	300	ug/L	0.61 U	0.61 U [0.61 U]	0.61 U [0.61 U]	0.61 U [0.61 U]	0.61 U [0.61 U]
Vinyl Chloride	1	100	ug/L	**16**	**12 [14]**	**11 [11]**	**23 [24]**	**17 [16]**

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-19C 05/25/18	MW-19C 11/09/18	MW-19C 05/09/19	MW-19C 11/21/19	MW-19D 05/28/15
Benzene	1	100	ug/L	0.25 U [0.25 U]	0.25 U [0.25 U]	0.25 U [0.25 U]	0.25 U[0.25 U]	0.50 U [0.50 U]
Toluene	1,000	10,000	ug/L	0.24 U [0.24 U]	0.24 U [0.24 U]	0.24 U [0.24 U]	0.24 U[0.24 U]	0.51 U [0.51 U]
Ethylbenzene	700	7,000	ug/L	0.27 U [0.27 U]	0.27 U [0.27 U]	0.27 U [0.27 U]	0.27 U[0.27 U]	0.44 U [0.44 U]
Xylenes (total)	10,000	100,000	ug/L	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U[0.50 U]	0.50 U [0.50 U]
1,1-Dichloroethane	70	700	ug/L	0.32 U [0.32 U]	0.32 U [0.32 U]	0.32 U [0.32 U]	0.32 U[0.32 U]	0.52 U [0.52 U]
1,1-Dichloroethene	7	70	ug/L	0.26 U [0.26 U]	0.26 U [0.26 U]	0.26 U [0.26 U]	0.26 U[0.26 U]	0.67 U [0.67 U]
1,2-Dichlorobenzene	600	6,000	ug/L	12 [12]	10 [11]	10 [10]	15[15]	0.49 U [16]
1,3-Dichlorobenzene	210	2,100	ug/L	0.26 U [0.26 U]	0.26 U [0.26 U]	0.26 U [0.26 U]	0.26 U[0.26 U]	0.64 U [0.64 U]
1,4-Dichlorobenzene	75	7,500	ug/L	0.44 I [0.50 I]	0.52 I [0.52 I]	0.37 I [0.31 I]	0.71 I[0.71 I]	0.60 U [0.60]
Chlorobenzene	100	1,000	ug/L	0.60 I [0.56 I]	0.48 I [0.50 I]	0.27 U [0.27 U]	0.50 I[0.27 U]	0.63 U [1.7]
Chloroform	70	700	ug/L	0.29 U [0.29 U]	0.29 U [0.29 U]	0.29 U [0.29 U]	0.29 U[0.29 U]	0.90 U [0.90 U]
cis-1,2-Dichloroethene	70	700	ug/L	0.39 I [0.38 I]	0.48 I [0.45 I]	0.68 I [0.60 I]	0.83 I[0.90 I]	0.65 U [0.65 U]
Tetrachloroethene	3	300	ug/L	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U[0.50 U]	0.50 U [0.50 U]
trans-1,2-Dichloroethene	100	1,000	ug/L	0.39 U [0.39 U]	0.39 U [0.39 U]	0.39 U [0.39 U]	0.39 U[0.39 U]	0.67 U [0.67 U]
Trichloroethene	3	300	ug/L	0.61 U [0.61 U]	0.61 U [0.61 U]	0.61 U [0.61 U]	0.61 U[0.61 U]	0.61 U [0.61 U]
Vinyl Chloride	1	100	ug/L	**6.0 [5.9]**	**3.5 [3.7]**	**3.8 [3.7]**	**3.7[3.7]**	0.71 U [44]

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-19D 11/24/15	MW-19D 05/26/16	MW-19D 12/01/16	MW-19D 06/01/17	MW-19D 11/09/17	MW-19D 05/25/18	MW-19D 11/09/18
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.25 U	0.25 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.24 U	0.24 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.27 U	0.27 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.32 U	0.32 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	0.67 U	0.67 U	0.67 U	0.67 U	0.26 U	0.26 U	0.26 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.24 U	0.24 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.26 U	0.26 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.60 U	0.60 U	0.60 U	0.60 U	0.36 U	0.22 U	0.22 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.27 U	0.27 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.29 U	0.29 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.32 U	0.32 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.39 U	0.39 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.71 U	0.71 U	0.71 U	0.71 U	0.26 U	0.26 U	0.26 U

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-19D 05/09/19	MW-19D 11/21/19	MW-20A 05/27/15	MW-20A 11/23/15	MW-20A 05/25/16	MW-20A 11/30/16	MW-20A 06/01/17
Benzene	1	100	ug/L	0.25 U	0.25 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.24 U	0.24 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.27 U	0.27 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.32 U	0.32 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.26 U	0.26 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.24 U	0.24 U	5.6	4.9	2.5	3.8	2.8
1,3-Dichlorobenzene	210	2,100	ug/L	0.26 U	0.26 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.22 U	0.22 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
Chlorobenzene	100	1,000	ug/L	0.27 U	0.27 U	5	13	6.1	5.3	2.4
Chloroform	70	700	ug/L	0.29 U	0.29 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.32 U	0.32 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.39 U	0.39 U	0.96	0.67 U	0.67 U	0.67 U	0.77 I
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.26 U	0.26 U	**8.5**	**2.8**	**1.3**	**5.5**	**6.2**

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-20A 11/08/17	MW-20A 05/24/18	MW-20A 11/07/18	MW-20A 05/10/19	MW-20A 11/20/19	MW-20B 05/27/15
Benzene	1	100	ug/L	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	0.50 U [0.50 U]
Toluene	1,000	10,000	ug/L	0.51 U	0.24 U	0.24 U	0.24 U	0.24 U	0.51 U [0.51 U]
Ethylbenzene	700	7,000	ug/L	0.44 U	0.27 U	0.27 U	0.27 U	0.27 U	0.44 U [0.44 U]
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]
1,1-Dichloroethane	70	700	ug/L	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.52 U [0.52 U]
1,1-Dichloroethene	7	70	ug/L	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.67 U [0.67 U]
1,2-Dichlorobenzene	600	6,000	ug/L	3.7	2.1	1.5	1.9	0.67 I	20 [20]
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.26 U	0.26 U	0.26 U	0.26 U	0.64 U [0.64 U]
1,4-Dichlorobenzene	75	7,500	ug/L	0.36 U	0.26 I	0.22 U	0.22 U	0.22 U	6.1 [6.2]
Chlorobenzene	100	1,000	ug/L	9.7	1.7	3.9	4.3	1.5	73 [72]
Chloroform	70	700	ug/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.90 U [0.90 U]
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.32 U	0.32 U	0.32 U	0.32 U	0.65 U [0.65 U]
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]
trans-1,2-Dichloroethene	100	1,000	ug/L	0.67 U	0.39 U	0.39 U	0.39 U	0.39 U	0.85 [0.78]
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U [0.61 U]
Vinyl Chloride	1	100	ug/L	**2.9**	**12**	**1.2**	**2.3**	0.62 I	**16 [17]**

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-20B 11/23/15	MW-20B 05/25/16	MW-20B 11/30/16	MW-20B 06/01/17	MW-20B 11/08/17
Benzene	1	100	ug/L	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U [0.50 U]	0.65 I [0.67 I]	0.72 I [0.70 I]
Toluene	1,000	10,000	ug/L	0.51 U [0.51 U]	0.51 U [0.51 U]	0.51 U [0.51 U]	0.62 I [0.55 I]	0.60 I [0.51 U]
Ethylbenzene	700	7,000	ug/L	0.44 U [0.44 U]	0.44 U [0.44 U]	0.44 U [0.44 U]	0.44 U [0.44 U]	0.44 U [0.44 U]
Xylenes (total)	10,000	100,000	ug/L	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U [0.50 U]
1,1-Dichloroethane	70	700	ug/L	0.52 U [0.52 U]	0.52 U [0.52 U]	0.52 U [0.52 U]	0.52 U [0.52 U]	0.32 U [0.32 U]
1,1-Dichloroethene	7	70	ug/L	0.67 U [0.67 U]	0.67 U [0.67 U]	0.67 U [0.67 U]	0.67 U [0.67 U]	0.26 U [0.26 U]
1,2-Dichlorobenzene	600	6,000	ug/L	13 [14]	13 [13]	9.0 [9.0]	15 [15]	16 [17]
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U [0.64 U]	0.64 U [0.64 U]	0.64 U [0.64 U]	0.64 U [0.64 U]	0.64 U [0.64 U]
1,4-Dichlorobenzene	75	7,500	ug/L	4.0 [4.5]	4.6 [4.7]	2.9 [2.8]	3.7 [3.8]	5.6 [5.6]
Chlorobenzene	100	1,000	ug/L	55 [59]	54 [52]	38 [38]	**110 [110]**	**150 [150]**
Chloroform	70	700	ug/L	0.90 U [0.90 U]	0.90 U [0.90 U]	0.90 U [0.90 U]	0.90 U [0.90 U]	0.29 U [0.29 U]
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U [0.65 U]	0.65 U [0.65 U]	0.65 U [0.65 U]	0.65 U [0.65 U]	0.65 U [0.65 U]
Tetrachloroethene	3	300	ug/L	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U [0.50 U]
trans-1,2-Dichloroethene	100	1,000	ug/L	0.67 U [0.67 U]	1.0 [0.67 U]	0.76 I [0.80 I]	1.8 [1.9]	1.2 [1.1]
Trichloroethene	3	300	ug/L	0.61 U [0.61 U]	0.61 U [0.61 U]	0.61 U [0.61 U]	0.61 U [0.61 U]	0.61 U [0.61 U]
Vinyl Chloride	1	100	ug/L	**4.1 [4.0]**	**4.2 [4.8]**	**11 [11]**	**18 [18]**	**12 [11]**

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-20B 05/24/18	MW-20B 11/07/18	MW-20B 05/10/19	MW-20B 11/20/19	MW-20C 05/27/15
Benzene	1	100	ug/L	0.81 I [0.88 I]	0.71 I [0.78 I]	0.70 I [0.71 I]	0.47 I[0.45 I]	0.50 U
Toluene	1,000	10,000	ug/L	0.81 I [0.83 I]	0.74 I [0.73 I]	0.68 I [0.75 I]	0.55 I[0.43 I]	0.51 U
Ethylbenzene	700	7,000	ug/L	0.27 U [0.27 U]	0.27 U [0.27 U]	0.27 U [0.27 U]	0.27 U[0.27 U]	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U[0.50 U]	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.32 U [0.32 U]	0.32 U [0.32 U]	0.32 U [0.32 U]	0.32 U[0.32 U]	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.26 U [0.26 U]	0.26 U [0.26 U]	0.26 U [0.26 U]	0.26 U[0.26 U]	**7.18**
1,2-Dichlorobenzene	600	6,000	ug/L	22 [23]	18 [17]	20 [21]	19[17]	1.8
1,3-Dichlorobenzene	210	2,100	ug/L	0.98 I [1.0]	0.89 I [0.82 I]	0.93 I [0.97 I]	0.69 I[0.87 I]	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	11 [12]	9.1 [9.3]	9.8 [11]	8.1[8.2]	0.60 U
Chlorobenzene	100	1,000	ug/L	**190 [180]**	**160 [150]**	**140 [150]**	97[95]	0.92
Chloroform	70	700	ug/L	0.29 U [0.29 U]	0.29 U [0.29 U]	0.29 U [0.29 U]	0.29 U[0.29 U]	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.32 U [0.32 U]	0.32 U [0.32 U]	0.32 U [0.32 U]	0.32 U[0.32 U]	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U[0.50 U]	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	1.2 I [1.3 I]	1.3 I [1.3 I]	1.4 I [1.4 I]	1.2 I[1.1 I]	0.67 U
Trichloroethene	3	300	ug/L	0.61 U [0.61 U]	0.61 U [0.61 U]	0.61 U [0.61 U]	0.61 U[0.61 U]	0.61 U
Vinyl Chloride	1	100	ug/L	**9.2 [8.9]**	**5.8 [5.4]**	**6.3 [6.0]**	**4.8[4.7]**	0.71 U

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-20C 11/23/15	MW-20C 05/25/16	MW-20C 11/30/16	MW-20C 06/01/17	MW-20C 11/08/17	MW-20C 05/24/18	MW-20C 11/07/18
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.25 U	0.25 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.24 U	0.24 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.27 U	0.27 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.32 U	0.32 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	0.67 U	0.67 U	0.67 U	0.67 U	0.26 U	0.26 U	0.26 U
1,2-Dichlorobenzene	600	6,000	ug/L	2.1	2.1	1.5	2	1.7	1.8	1.6
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.26 U	0.26 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.60 U	0.60 U	0.60 U	0.60 U	0.36 U	0.22 U	0.22 U
Chlorobenzene	100	1,000	ug/L	1.1	0.87 I	0.63 U	0.79 I	0.67 I	0.79 I	0.77 I
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.29 U	0.29 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.32 U	0.32 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.39 U	0.39 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	**2.3**	0.74 I	**1.5**	**1.8**	**1.8**	0.81 I	0.46 I

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-20C 05/10/19	MW-20C 11/20/19	MW-21B 04/14/09	MW-21B 04/20/09	MW-21B 05/22/09	MW-21B 06/19/09	MW-21C 04/14/09
Benzene	1	100	ug/L	0.25 U	0.25 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.24 U	0.24 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.27 U	0.27 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.32 U	0.32 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.26 U	0.26 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	1.5	1.2	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.26 U	0.26 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.22 U	0.22 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
Chlorobenzene	100	1,000	ug/L	0.27 U	0.33 I	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.29 U	0.29 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.32 U	0.32 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.39 U	0.39 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	0.49 I	0.26 U	0.72 I	0.87 I	0.56 I	0.56 I	0.50 U

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-21C 04/20/09	MW-21C 05/22/09	MW-21C 06/19/09	MW-22A 11/14/13	MW-22A 11/13/14	MW-22A 11/23/15	MW-22A 12/01/16
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U	0.45 U	0.67 U	0.67 U	0.67 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.49 U	0.49 U	0.49 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.60 U	0.60 U	0.60 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.67 U	0.67 U	0.67 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.71 U	0.71 U	0.71 U

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-22A 11/08/17	MW-22A 11/09/18	MW-22A 11/21/19	MW-22B 11/14/13	MW-22B 11/13/14	MW-22B 11/23/15	MW-22B 12/01/16
Benzene	1	100	ug/L	0.50 U	0.25 U	0.25 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.24 U	0.24 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.27 U	0.27 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.32 U	0.32 U	0.32 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.26 U	0.26 U	0.26 U	0.45 U	0.67 U	0.67 U	0.67 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.49 U	0.24 U	0.24 U	0.44 U	0.49 U	0.49 U	0.49 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.26 U	0.26 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.36 U	0.22 U	0.22 U	0.52 U	0.60 U	0.60 U	0.60 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.27 U	0.27 U	0.63 U	0.63 U	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.29 U	0.29 U	0.29 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.32 U	0.32 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.67 U	0.39 U	0.39 U	0.44 U	0.67 U	0.67 U	0.67 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.50 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.26 U	0.26 U	0.26 U	0.50 U	0.71 U	0.71 U	0.71 U

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-22B 11/08/17	MW-22B 11/09/18	MW-22B 11/21/19	MW-22C 11/15/13	MW-22C 11/13/14	MW-22C 11/23/15	MW-22C 12/01/16
Benzene	1	100	ug/L	0.50 U	0.25 U	0.25 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.24 U	0.24 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.27 U	0.27 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.32 U	0.32 U	0.32 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.26 U	0.26 U	0.26 U	0.45 U	0.67 U	0.67 U	0.67 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.49 U	0.24 U	0.24 U	0.44 U	0.49 U	0.49 U	0.49 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.26 U	0.26 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.36 U	0.22 U	0.22 U	0.52 U	0.60 U	0.60 U	uu
Chlorobenzene	100	1,000	ug/L	0.63 U	0.27 U	0.27 U	0.63 U	0.63 U	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.29 U	0.29 U	0.29 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.32 U	0.32 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.67 U	0.39 U	0.39 U	0.44 U	0.67 U	0.67 U	0.67 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.50 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.26 U	0.26 U	0.26 U	0.50 U	0.71 U	0.71 U	0.71 U

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-22C 11/08/17	MW-22C 11/09/18	MW-22C 11/21/19
Benzene	1	100	ug/L	0.50 U	0.25 U	0.25 U
Toluene	1,000	10,000	ug/L	0.51 U	0.24 U	0.24 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.27 U	0.27 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.32 U	0.32 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	0.26 U	0.26 U	0.26 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.49 U	0.24 U	0.24 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.26 U	0.26 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.36 U	0.22 U	0.22 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.27 U	0.27 U
Chloroform	70	700	ug/L	0.29 U	0.29 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.32 U	0.32 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.67 U	0.39 U	0.39 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.26 U	0.26 U	0.26 U

Footnotes:

Bold - Detected above GCTL
Shaded - Detected above NADC
J - Indicates an estimated value.
J3 - Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria
I - Estimated result < PQL and > MDL.
MDL - Method Detection Limit
GCTL/MCL - Groundwater Cleanup Target Levels/Maximum Contaminant Level
NADC - Natural Attenuation Default Concentrations
U - The compound was analyzed for but not detected.
D - Compound quantitated using a secondary dilution.
PQL - Practical Quantitation Limits
– Samples collected from MW-18A and MW-18B were erroniously labeled in the field during the Novermber 2011 and May 2012 sampling events.

TABLE 4
RECENT MONITORED NATURAL ATTENUATION PARAMETERS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-1B	MW-1B	MW-1B	MW-1B	MW-1B	MW-1B	MW-1B	MW-1C	MW-1C	MW-1C
Date Collected:	Units	11/14/13	11/12/14	11/17/15	11/30/16	11/07/17	11/19/19	11/07/18	11/14/13	11/12/14	11/17/15
Total Organic Carbon	mg/L	4.4	7.3	6.9	7.0	7.0	6.8	7.1	9.8	4.9	4.5
Carbon Dioxide	mg/L	4.7 J	7.2	13	7.7	8.0	12	10	22	6.8	9.0
Ethane	ug/L	0.55 U	0.55 U	0.75 U	0.55 U	0.55 U	0.75 U	0.55 U	0.77 I	7.0	26
Ethene	ug/L	0.50 U	0.5 U	0.55 U	0.50 U	0.50 U	0.55 U	0.50 U	0.67 I	0.5 U	0.55 U
Methane	ug/L	3.3	180	360	310	130	46	96	230	260	350
Alkalinity	mg/L	110	130	NA	NA	NA	NA	NA	120	150	NA
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	NA	0.10 U	NA	NA	NA	NA	NA	NA	0.10 U	NA
Nitrite Nitrogen	mg/L	NA	0.10 U	NA	NA	NA	NA	NA	NA	0.10 U	NA
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	7.8	0.25 U	NA	NA	NA	NA	NA	1.0	4.7	NA
Total Nitrate/Nitrite Nitrogen	mg/L	0.14 I	0.10 U	NA	NA	NA	NA	NA	0.10 U	0.10 U	NA
Total Iron	mg/L	0.44	0.16	NA	NA	NA	NA	NA	0.28	1.19	NA
Ferrous Iron	mg/L	0.15	0.14	NA	NA	NA	NA	NA	0.24	0.59	NA
Ferric Iron	mg/L	0.29	0.02	NA	NA	NA	NA	NA	0.04	0.60	NA
Sulfite	mg/L	1.28	NR	NA	NA	NA	NA	NA	3.84	1.28	NA

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TABLE 4
RECENT MONITORED NATURAL ATTENUATION PARAMETERS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-1C	MW-1C	MW-1C	MW-1C	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D
Date Collected:	Units	11/30/16	11/07/17	11/07/18	11/19/19	11/14/13	11/12/14	11/17/15	11/30/16	11/07/17	11/07/18
Total Organic Carbon	mg/L	4.9	4.5	4.4	4.4	4.5	4.3	4.2	4.4	4.2	4.3
Carbon Dioxide	mg/L	8.8	12	15	18	7.8	7.3	12	10	12	13
Ethane	ug/L	10	3.5	16	17	25	91	130	120	150	140
Ethene	ug/L	0.50 U	0.50 U	0.50 U	0.55 U	0.50 U	0.5 U	0.55 U	0.50 U	0.50 U	0.50 U
Methane	ug/L	350	320	330	220	260	640	830	1,000	1,100	1,400
Alkalinity	mg/L	NA	NA	NA	NA	200	200	NA	NA	NA	NA
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	NA	NA	NA	NA	NA	0.10 U	NA	NA	NA	NA
Nitrite Nitrogen	mg/L	NA	NA	NA	NA	NA	0.10 U	NA	NA	NA	NA
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	NA	NA	0.25 U	0.25 U	NA	NA	NA	NA
Total Nitrate/Nitrite Nitrogen	mg/L	NA	NA	NA	NA	0.10 U	0.10 U	NA	NA	NA	NA
Total Iron	mg/L	NA	NA	NA	NA	0.22	0	NA	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	NA	NA	0.15	1.94	NA	NA	NA	NA
Ferric Iron	mg/L	NA	NA	NA	NA	0.07	-1.94	NA	NA	NA	NA
Sulfite	mg/L	NA	NA	NA	NA	1.92	1.28	NA	NA	NA	NA

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TABLE 4
RECENT MONITORED NATURAL ATTENUATION PARAMETERS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-1D	MW-1E	MW-1E	MW-1E	MW-1E	MW-1E	MW-1E	MW-1E	MW-1F	MW-1F
Date Collected:	Units	11/20/19	11/14/13	11/12/14	11/18/15	11/30/16	11/07/17	11/07/18	11/20/19	11/14/13	11/12/14
Total Organic Carbon	mg/L	4.1	4.0	3.8	3.7	3.9	3.8	3.9	4.0	4.5	3.8
Carbon Dioxide	mg/L	9.4	8.1	12	10	14	11	14	11	3.1 J	8.1
Ethane	ug/L	160	19	170	120	230	150	330	180	0.55 U	0.94 I
Ethene	ug/L	0.55 U	0.50 U	0.5 U	0.55 U	0.50 U	0.50 U	0.50 U	0.55 U	0.50 U	0.5 U
Methane	ug/L	760	48	330	190	550	250	550	310	23	89
Alkalinity	mg/L	NA	190	200	NA	NA	NA	NA	NA	120	210
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	NA	NA	0.10 U	NA	NA	NA	NA	NA	NA	0.10 U
Nitrite Nitrogen	mg/L	NA	NA	0.10 U	NA	NA	NA	NA	NA	NA	0.10 U
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	1.0	1.3	NA	NA	NA	NA	NA	0.59	0.25 U
Total Nitrate/Nitrite Nitrogen	mg/L	NA	0.10 U	0.10 U	NA	NA	NA	NA	NA	0.10 U	0.10 U
Total Iron	mg/L	NA	0.00	0.01	NA	NA	NA	NA	NA	0.20	1.47
Ferrous Iron	mg/L	NA	0.17	0.53	NA	NA	NA	NA	NA	0.16	0.30
Ferric Iron	mg/L	NA	0.00	-0.52	NA	NA	NA	NA	NA	0.04	1.17
Sulfite	mg/L	NA	4.48	3.84	NA	NA	NA	NA	NA	3.84	1.28

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TABLE 4
RECENT MONITORED NATURAL ATTENUATION PARAMETERS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-1F	MW-1F	MW-1F	MW-1F	MW-1F	MW-3B	MW-3B	MW-3B	MW-3B	MW-3B
Date Collected:	Units	11/18/15	11/30/16	11/07/17	11/07/18	11/20/19	11/13/13	11/11/14	11/17/15	11/29/16	11/07/17
Total Organic Carbon	mg/L	4.8	4.2	3.8	3.9	3.7	5.1	4.9	4.8	5.3	5.1
Carbon Dioxide	mg/L	5.0 U	8.4	8.7	9.5	6.9	13	16	17	13	14
Ethane	ug/L	0.75 U	0.55 U	0.55 U	0.55 U	0.75 U	1.3	1.1	2.5	0.55 U	0.55 U
Ethene	ug/L	0.55 U	0.50 U	0.50 U	0.50 U	0.55 U	0.50 U	0.5 U	0.55 U	0.50 U	0.50 U
Methane	ug/L	74	54	60	91	97	43	340	440	3.0	0.97
Alkalinity	mg/L	NA	NA	NA	NA	NA	170	180	NA	NA	NA
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	NA	NA	NA	NA	NA	NA	0.10 U	NA	NA	NA
Nitrite Nitrogen	mg/L	NA	NA	NA	NA	NA	NA	0.10 U	NA	NA	NA
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	NA	NA	NA	13	14	NA	NA	NA
Total Nitrate/Nitrite Nitrogen	mg/L	NA	NA	NA	NA	NA	0.10 U	0.10 U	NA	NA	NA
Total Iron	mg/L	NA	NA	NA	NA	NA	1.11	2.06	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	NA	NA	NA	1.01	1.83	NA	NA	NA
Ferric Iron	mg/L	NA	NA	NA	NA	NA	0.10	0.23	NA	NA	NA
Sulfite	mg/L	NA	NA	NA	NA	NA	1.28	NR	NA	NA	NA

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TABLE 4
RECENT MONITORED NATURAL ATTENUATION PARAMETERS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	Units	MW-3B 11/06/18	MW-3B 11/19/19	MW-3C 11/13/13	MW-3C 11/11/14	MW-3C 11/17/15	MW-3C 11/29/16	MW-3C 11/07/17	MW-3C 11/06/18	MW-3C 11/19/19
Total Organic Carbon	mg/L	5.2	5.4	5.7	5.8 [5.9]	7.1	7.5	6.3	7.4	6.4
Carbon Dioxide	mg/L	14	14	8.1	6.9 [6.5]	11	11	12	12	11
Ethane	ug/L	0.55 U	0.75 U	0.55 U	0.55 U [0.55 U]	0.75 U	0.55 U	0.55 U	0.55 U	0.75 U
Ethene	ug/L	0.50 U	0.55 U	0.50 U	0.5 U [0.5 U]	0.55 U	0.50 U	0.50 U	0.50 U	0.55 U
Methane	ug/L	36	43	3.5	1.6 [1.7]	12	3.0	2.3	3.9	3.4
Alkalinity	mg/L	NA	NA	180	180 [170]	NA	NA	NA	NA	NA
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	NA	NA	NA	0.10 U [0.10 U]	NA	NA	NA	NA	NA
Nitrite Nitrogen	mg/L	NA	NA	NA	0.10 U [0.10 U]	NA	NA	NA	NA	NA
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	24	22 [22]	NA	NA	NA	NA	NA
Total Nitrate/Nitrite Nitrogen	mg/L	NA	NA	0.10 U	0.10 U [0.10 U]	NA	NA	NA	NA	NA
Total Iron	mg/L	NA	NA	0.07	0.05 [0.05]	NA	NA	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	0.04	0.02 [0.02]	NA	NA	NA	NA	NA
Ferric Iron	mg/L	NA	NA	0.03	0.03 [0.03]	NA	NA	NA	NA	NA
Sulfite	mg/L	NA	NA	1.92	NR	NA	NA	NA	NA	NA

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TABLE 4
RECENT MONITORED NATURAL ATTENUATION PARAMETERS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-4B	MW-4B	MW-4B	MW-4B	MW-4B	MW-4B	MW-4B	MW-4C	MW-4C	MW-4C
Date Collected:	Units	11/14/13	11/12/14	11/17/15	11/29/16	11/07/17	11/06/18	11/19/19	11/14/13	11/12/14	11/17/15
Total Organic Carbon	mg/L	4.9	5.1	4.5	4.6	4.5	4.1	4.2	7.3	7.5	7.5
Carbon Dioxide	mg/L	8.0	9.1	12	9.2	10	9.5	9.6	17	18	22
Ethane	ug/L	14	6.1	43	130	85	42	110	2.2	0.55 U	0.75 U
Ethene	ug/L	0.50 U	0.5 U	0.55 U	0.50 U	0.50 U	0.50 U	0.55 U	0.50 U	0.5 U	0.55 U
Methane	ug/L	840	510	720	1,300	690	1,000	1,100	110	76	74
Alkalinity	mg/L	150	160	NA	NA	NA	NA	NA	220	230	NA
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	NA	0.10 U	NA	NA	NA	NA	NA	NA	0.10 U	NA
Nitrite Nitrogen	mg/L	NA	0.10 U	NA	NA	NA	NA	NA	NA	0.10 U	NA
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	0.25 U	0.25 U	NA	NA	NA	NA	NA	1.2	1.4	NA
Total Nitrate/Nitrite Nitrogen	mg/L	0.10 U	0.10 U	NA	NA	NA	NA	NA	0.10 U	0.10 U	NA
Total Iron	mg/L	1.46	1.55	NA	NA	NA	NA	NA	1.80	1.92	NA
Ferrous Iron	mg/L	1.21	1.16	NA	NA	NA	NA	NA	1.56	1.26	NA
Ferric Iron	mg/L	0.25	0.39	NA	NA	NA	NA	NA	0.24	0.66	NA
Sulfite	mg/L	1.28	NR	NA	NA	NA	NA	NA	1.28	NR	NA

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TABLE 4
RECENT MONITORED NATURAL ATTENUATION PARAMETERS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-4C	MW-4C	MW-4C	MW-4C	MW-12A	MW-12A	MW-12A	MW-12A	MW-12A	MW-12A
Date Collected:	Units	11/29/16	11/07/17	11/06/18	11/19/19	11/13/13	11/11/14	11/16/15	11/29/16	11/06/17	11/05/18
Total Organic Carbon	mg/L	7.3	6.9	6.5	6.4	3.3	2.9	3.5	3.6	3.9	2.1
Carbon Dioxide	mg/L	20	22	22	23	5.5	0.97 J	5.0 U	5.0 U	5.0 U	5.0 U
Ethane	ug/L	0.64 I	0.55 U	3.1	0.75 U	0.55 U	0.55 U	0.75 U	0.55 U	0.55 U	0.55 U
Ethene	ug/L	0.50 U	0.50 U	0.50 U	0.55 U	0.50 U	0.5 U	0.55 U	0.50 U	0.50 U	0.50 U
Methane	ug/L	71	78	140	120	680	210	79	17	160	900
Alkalinity	mg/L	NA	NA	NA	NA	70	71	NA	NA	NA	NA
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	NA	NA	NA	NA	NA	0.10 U	NA	NA	NA	NA
Nitrite Nitrogen	mg/L	NA	NA	NA	NA	NA	0.10 U	NA	NA	NA	NA
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	NA	NA	0.43 I	0.25 U	NA	NA	NA	NA
Total Nitrate/Nitrite Nitrogen	mg/L	NA	NA	NA	NA	0.10 U	0.10 U	NA	NA	NA	NA
Total Iron	mg/L	NA	NA	NA	NA	0.26	0.15	NA	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	NA	NA	0.19	0.03	NA	NA	NA	NA
Ferric Iron	mg/L	NA	NA	NA	NA	0.05	0.12	NA	NA	NA	NA
Sulfite	mg/L	NA	NA	NA	NA	1.28	NR	NA	NA	NA	NA

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TABLE 4
RECENT MONITORED NATURAL ATTENUATION PARAMETERS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-12A	MW-12B	MW-12B	MW-12B	MW-12B	MW-12B	MW-12B	MW-12B	MW-13A	MW-13A
Date Collected:	Units	11/19/19	11/13/13	11/11/14	11/16/15	11/29/16	11/06/17	11/05/18	11/19/19	11/13/13	11/11/14
Total Organic Carbon	mg/L	3.7	3.4	5.2	3.2	3.8	4.7	3.5	4.6	24	25
Carbon Dioxide	mg/L	5.0 U	1.4 J	3.6 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	92	130
Ethane	ug/L	0.75 U	0.55 U	8.1	0.75 U	1.3	0.55 U	0.55 U	0.75 U	0.55 U	0.55 U
Ethene	ug/L	0.55 U	0.50 U	0.5 U	0.55 U	0.50 U	0.50 U	0.50 U	0.55 U	0.50 U	0.5 U
Methane	ug/L	550	1,600	1,400	180	250	450	1,900	1,100	2.6	11
Alkalinity	mg/L	NA	86	130	NA	NA	NA	NA	NA	130	130
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	NA	NA	0.10 U	NA	NA	NA	NA	NA	NA	0.10 U
Nitrite Nitrogen	mg/L	NA	NA	0.10 U	NA	NA	NA	NA	NA	NA	0.10 U
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	0.33 I	0.25 U	NA	NA	NA	NA	NA	5.6	19
Total Nitrate/Nitrite Nitrogen	mg/L	NA	0.10 U	0.10 U	NA	NA	NA	NA	NA	0.10 U	0.10 U
Total Iron	mg/L	NA	0.25	0.42	NA	NA	NA	NA	NA	1.83	0.54
Ferrous Iron	mg/L	NA	0.23	0.33	NA	NA	NA	NA	NA	1.69	0.76
Ferric Iron	mg/L	NA	0.02	0.09	NA	NA	NA	NA	NA	0.14	-0.22
Sulfite	mg/L	NA	2.56	NR	NA	NA	NA	NA	NA	1.92	NR

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TABLE 4
RECENT MONITORED NATURAL ATTENUATION PARAMETERS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-13B	MW-13B	MW-13B	MW-13B	MW-13B
Date Collected:	Units	11/16/15	11/29/16	11/06/17	11/05/18	11/18/19	11/13/13	11/11/14	11/16/15	11/29/16	11/06/17
Total Organic Carbon	mg/L	11	11	52	35	19	3.6	3.4	2.9	3.3	2.9
Carbon Dioxide	mg/L	160	160	200	190	160	8.1	7.9	8.1	9	7.4
Ethane	ug/L	0.75 U	1.3	0.55 U	0.55 U	0.75 U	7.0	34	26	390	0.55 U
Ethene	ug/L	0.82 I	0.54 I	0.50 U	0.50 U	0.55 U	0.50 U	9.9	0.55 U	14	0.50 U
Methane	ug/L	110	110	13	13	13	21	180	140	700	41
Alkalinity	mg/L	NA	NA	NA	NA	NA	150	170	NA	NA	NA
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	NA	NA	NA	NA	NA	NA	0.10 U	NA	NA	NA
Nitrite Nitrogen	mg/L	NA	NA	NA	NA	NA	NA	0.10 U	NA	NA	NA
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	NA	NA	NA	7.4	8.0	NA	NA	NA
Total Nitrate/Nitrite Nitrogen	mg/L	NA	NA	NA	NA	NA	0.10 U	0.10 U	NA	NA	NA
Total Iron	mg/L	NA	NA	NA	NA	NA	0.94	0.90	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	NA	NA	NA	0.81	0.73	NA	NA	NA
Ferric Iron	mg/L	NA	NA	NA	NA	NA	0.13	0.17	NA	NA	NA
Sulfite	mg/L	NA	NA	NA	NA	NA	1.28	NR	NA	NA	NA

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TABLE 4
RECENT MONITORED NATURAL ATTENUATION PARAMETERS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	Units	MW-13B 11/05/18	MW-13B 11/18/19	MW-13C 11/13/13	MW-13C 11/11/14	MW-13C 11/16/15	MW-13C 11/29/16	MW-13C 11/06/17	MW-13C 11/05/18
Total Organic Carbon	mg/L	3.0	2.8	3.6 [3.5]	3.9	4.0 [4.0]	4.3	4.2	4.0
Carbon Dioxide	mg/L	7.4	6.7	9.4 [8.2]	3.6 J	9.7 [9.1]	9.3	9.9	9.7
Ethane	ug/L	2.5	0.75 U	110 [85]	52	120 [120]	100	18	44
Ethene	ug/L	0.50 U	0.55 U	0.50 U [0.50 U]	2.2	12 [12]	6.6	0.50 U	30
Methane	ug/L	74	97	150 [120]	86	140 [150]	170	83	96
Alkalinity	mg/L	NA	NA	160 [160]	160	NA	NA	NA	NA
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	NA	NA	NA	0.10 U	NA	NA	NA	NA
Nitrite Nitrogen	mg/L	NA	NA	NA	0.10 U	NA	NA	NA	NA
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	5.6 [5.6]	6.5	NA	NA	NA	NA
Total Nitrate/Nitrite Nitrogen	mg/L	NA	NA	0.10 U [0.10 U]	0.10 U	NA	NA	NA	NA
Total Iron	mg/L	NA	NA	0.23	0.26	NA	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	0.20	0.14	NA	NA	NA	NA
Ferric Iron	mg/L	NA	NA	0.03	0.12	NA	NA	NA	NA
Sulfite	mg/L	NA	NA	1.92	NR	NA	NA	NA	NA

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TABLE 4
RECENT MONITORED NATURAL ATTENUATION PARAMETERS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-13C	MW-14A	MW-14A	MW-14A	MW-14A	MW-14A	MW-14A	MW-14A	MW-14B	MW-14B
Date Collected:	Units	11/18/19	11/13/13	11/10/14	11/16/15	11/28/16	11/06/17	11/05/18	11/18/19	11/13/13	11/10/14
Total Organic Carbon	mg/L	4.0	8.6	9.5	14	26	15	13	7.0	4.7	3.9
Carbon Dioxide	mg/L	54	61	53	83	110	76	88	8.2	5.2	2.9 J
Ethane	ug/L	89	0.55 U	0.55 U	0.75 U	0.55 U	0.55 U	0.55 U	0.75 U	0.55 U	0.55 U
Ethene	ug/L	5.3	0.50 U	0.5 U	0.55 U	0.50 U	0.50 U	0.50 U	0.55 U	0.50 U	0.5 U
Methane	ug/L	140	6.5	4.8	130	120	31	29	14	8.1	0.7
Alkalinity	mg/L	NA	85	100	NA	NA	NA	NA	NA	130	120
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	NA	NA	0.10 U	NA	NA	NA	NA	NA	NA	0.10 U
Nitrite Nitrogen	mg/L	NA	NA	0.10 U	NA	NA	NA	NA	NA	NA	0.10 U
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	5.0	15	NA	NA	NA	NA	NA	6.2	5.5
Total Nitrate/Nitrite Nitrogen	mg/L	NA	0.11 I	0.10 U	NA	NA	NA	NA	NA	0.10 U	0.10 U
Total Iron	mg/L	NA	0.29	0.27	NA	NA	NA	NA	NA	2.04	0.40
Ferrous Iron	mg/L	NA	0.29	0.32	NA	NA	NA	NA	NA	0.74	1.24
Ferric Iron	mg/L	NA	0.00	-0.05	NA	NA	NA	NA	NA	1.30	-0.80
Sulfite	mg/L	NA	2.56	NR	NA	NA	NA	NA	NA	1.92	NR

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TABLE 4
RECENT MONITORED NATURAL ATTENUATION PARAMETERS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-14B	MW-14B	MW-14B	MW-14B	MW-14B	MW-14C	MW-14C	MW-14C	MW-14C	MW-14C
Date Collected:	Units	11/16/15	11/28/16	11/06/17	11/05/18	11/18/19	11/13/13	11/11/14	11/16/15	11/29/16	11/06/17
Total Organic Carbon	mg/L	5.0	4.3	3.7	3.4	3.3	3.7	3.8	3.5	3.6	3.3
Carbon Dioxide	mg/L	9.9	5.0 U	5.0 U	5.0 U	5.0 U	3.7 J	3.4 J	5.0 U	5.0 U	5.0 U
Ethane	ug/L	0.75 U	0.55 U	0.55 U	0.55 U	0.75 U	0.55 U	0.55 U	0.75 U	0.55 U	0.55 U
Ethene	ug/L	0.55 U	0.50 U	0.50 U	0.50 U	0.55 U	0.50 U	0.5 U	0.55 U	0.50 U	0.50 U
Methane	ug/L	1.2	1.1	1.1	21	3.2	2.8	1.7	4.4	77	9.7
Alkalinity	mg/L	NA	NA	NA	NA	NA	130	140	NA	NA	NA
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	NA	NA	NA	NA	NA	NA	0.10 U	NA	NA	NA
Nitrite Nitrogen	mg/L	NA	NA	NA	NA	NA	NA	0.10 U	NA	NA	NA
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	NA	NA	NA	5.9	6.2	NA	NA	NA
Total Nitrate/Nitrite Nitrogen	mg/L	NA	NA	NA	NA	NA	0.10 U	0.10 U	NA	NA	NA
Total Iron	mg/L	NA	NA	NA	NA	NA	0.17	0.08	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	NA	NA	NA	0.00	0.03	NA	NA	NA
Ferric Iron	mg/L	NA	NA	NA	NA	NA	0.17	0.05	NA	NA	NA
Sulfite	mg/L	NA	NA	NA	NA	NA	1.28	NR	NA	NA	NA

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TABLE 4
RECENT MONITORED NATURAL ATTENUATION PARAMETERS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-14C	MW-14C	MW-18A	MW-18A	MW-18A	MW-18A	MW-18A	MW-18A	MW-18A	MW-18B
Date Collected:	Units	11/05/18	11/18/19	11/15/13	11/13/14	11/24/15	12/02/16	11/09/17	11/11/18	11/22/19	11/15/13
Total Organic Carbon	mg/L	3.1	2.8	6.0	6.3	6.3	7.3	6.5	5.5	5.2	4.6
Carbon Dioxide	mg/L	5.0 U	5.0 U	5.4	10	5.4	7.3	8.4	9.7	8.3	16
Ethane	ug/L	0.55 U	0.75 U	0.55 U	0.55 U	0.75 U	0.63 I	0.55 U	0.55 U	0.75 U	0.55 U
Ethene	ug/L	0.50 U	0.55 U	0.50 U	0.5 U	0.55 U	0.50 U	0.50 U	0.50 U	0.55 U	0.50 U
Methane	ug/L	12	3.3	26	21	96	230	4.7	7.3	4.1	93
Alkalinity	mg/L	NA	NA	110	130	NA	NA	NA	NA	NA	200
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	NA	NA	NA	0.10 U	NA	NA	NA	NA	NA	NA
Nitrite Nitrogen	mg/L	NA	NA	NA	0.10 U	NA	NA	NA	NA	NA	NA
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	0.53	1.7	NA	NA	NA	NA	NA	3.3
Total Nitrate/Nitrite Nitrogen	mg/L	NA	NA	0.10 U	0.10 U	NA	NA	NA	NA	NA	0.10 U
Total Iron	mg/L	NA	NA	0.68	0.41	NA	NA	NA	NA	NA	0.55
Ferrous Iron	mg/L	NA	NA	0.63	0.79	NA	NA	NA	NA	NA	0.56
Ferric Iron	mg/L	NA	NA	0.05	-0.38	NA	NA	NA	NA	NA	0.00
Sulfite	mg/L	NA	NA	1.28	1.28	NA	NA	NA	NA	NA	1.92

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TABLE 4
RECENT MONITORED NATURAL ATTENUATION PARAMETERS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-18B	MW-18B	MW-18B	MW-18B	MW-18B	MW-18B	MW-18C	MW-18C	MW-18C	MW-18C
Date Collected:	Units	11/13/14	11/24/15	12/02/16	11/09/17	11/11/18	11/22/19	11/15/13	11/13/14	11/24/15	12/02/16
Total Organic Carbon	mg/L	6.3	5.3	5.8	4.2	3.6	4.2	4.4	3.7	3.3	3.3
Carbon Dioxide	mg/L	18	24	20	14	17	14	9.0	6.9	8.6	9.2
Ethane	ug/L	0.55 U	0.75 U	0.55 U	0.55 U	0.55 U	0.75 U	0.65 I	0.63 I	0.75 U	0.55 U
Ethene	ug/L	0.5 U	0.55 U	0.50 U	0.50 U	0.50 U	0.55 U	0.50 U	0.5 U	0.55 U	0.50 U
Methane	ug/L	72	170	12	25	59	48	610	630	860	800
Alkalinity	mg/L	120	NA	NA	NA	NA	NA	170	180	NA	NA
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	0.10 U	NA	NA	NA	NA	NA	NA	0.10 U	NA	NA
Nitrite Nitrogen	mg/L	0.10 U	NA	NA	NA	NA	NA	NA	0.10 U	NA	NA
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	10	NA	NA	NA	NA	NA	0.25 U	0.25 U	NA	NA
Total Nitrate/Nitrite Nitrogen	mg/L	0.10 U	NA	NA	NA	NA	NA	0.10 U	0.10 U	NA	NA
Total Iron	mg/L	0.21	NA	NA	NA	NA	NA	0.65	1.61	NA	NA
Ferrous Iron	mg/L	0.14	NA	NA	NA	NA	NA	0.58	1.00	NA	NA
Ferric Iron	mg/L	0.07	NA	NA	NA	NA	NA	0.07	0.61	NA	NA
Sulfite	mg/L	2.56	NA	NA	NA	NA	NA	1.92	3.84	NA	NA

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TABLE 4
RECENT MONITORED NATURAL ATTENUATION PARAMETERS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-18C	MW-18C	MW-18C	MW-19A	MW-19A	MW-19A	MW-19A	MW-19A	MW-19A	MW-19A
Date Collected:	Units	11/09/17	11/11/18	11/22/19	11/15/13	11/14/14	11/24/15	12/01/16	11/09/17	11/09/18	11/21/19
Total Organic Carbon	mg/L	3.3	2.7	3.1	7.6	6.9	8.3	10	9.6	7.6	8.0
Carbon Dioxide	mg/L	7.2	8.6	8.4	8.2	11	20	17	16	32	27
Ethane	ug/L	0.55 U	0.55 U	0.75 U	0.55 U	0.55 U	0.75 U	0.55 U	0.55 U	0.55 U	0.75 U
Ethene	ug/L	0.50 U	0.50 U	0.55 U	0.50 U	0.5 U	0.55 U	0.50 U	0.50 U	0.50 U	0.55 U
Methane	ug/L	530	1,200	930	54	52	34	53	350	130	270
Alkalinity	mg/L	NA	NA	NA	150	170	NA	NA	NA	NA	NA
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	NA	NA	NA	NA	0.10 U	NA	NA	NA	NA	NA
Nitrite Nitrogen	mg/L	NA	NA	NA	NA	0.10 U	NA	NA	NA	NA	NA
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	NA	8.0	13	NA	NA	NA	NA	NA
Total Nitrate/Nitrite Nitrogen	mg/L	NA	NA	NA	0.10 U	0.10 U	NA	NA	NA	NA	NA
Total Iron	mg/L	NA	NA	NA	0.83	0.94	NA	NA	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	NA	0.65	0.65	NA	NA	NA	NA	NA
Ferric Iron	mg/L	NA	NA	NA	0.18	0.29	NA	NA	NA	NA	NA
Sulfite	mg/L	NA	NA	NA	1.28	1.28	NA	NA	NA	NA	NA

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TABLE 4
RECENT MONITORED NATURAL ATTENUATION PARAMETERS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	Units	MW-19B 11/15/13	MW-19B 11/14/14	MW-19B 11/24/15	MW-19B 12/01/16	MW-19B 11/09/17	MW-19B 11/09/18	MW-19B 11/21/19	MW-19C 11/15/13
Total Organic Carbon	mg/L	7.7	8.8 [8.8]	8.4 [8.4]	7.9	8.3	8.5	8.7	6.8 [6.6]
Carbon Dioxide	mg/L	13	13 [14]	16 [16]	17	14	18	18	16 [16]
Ethane	ug/L	2.0	0.55 U [0.55 U]	0.80 I [0.92 I]	1.2	0.55 U	0.83 I	0.75 U	0.55 U [2.3]
Ethene	ug/L	0.50 U	0.5 U [0.57 I]	2.1 [2.1]	2.1	0.50 U	0.50 U	0.55 U	0.53 I [2.5]
Methane	ug/L	34	84 [100]	95 [96]	52	43	67	82	17 [54]
Alkalinity	mg/L	210	210 [210]	NA	NA	NA	NA	NA	230 [230]
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	NA	0.10 U [0.10 U]	NA	NA	NA	NA	NA	NA
Nitrite Nitrogen	mg/L	NA	0.10 U [0.10 U]	NA	NA	NA	NA	NA	NA
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	2.4	2.6 [2.6]	NA	NA	NA	NA	NA	6.9 [7.6]
Total Nitrate/Nitrite Nitrogen	mg/L	0.10 U	0.10 U [0.10 U]	NA	NA	NA	NA	NA	0.10 U [0.10 U]
Total Iron	mg/L	1.35	1.36	NA	NA	NA	NA	NA	0.30
Ferrous Iron	mg/L	1.25	0.87	NA	NA	NA	NA	NA	0.25
Ferric Iron	mg/L	0.10	0.49	NA	NA	NA	NA	NA	0.05
Sulfite	mg/L	1.92	1.28	NA	NA	NA	NA	NA	1.92

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TABLE 4
RECENT MONITORED NATURAL ATTENUATION PARAMETERS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	Units	MW-19C 11/14/14	MW-19C 11/24/15	MW-19C 12/01/16	MW-19C 11/09/17	MW-19C 11/09/18	MW-19C 11/21/19	MW-19D 11/15/13	MW-19D 11/14/14
Total Organic Carbon	mg/L	6.5	6.0	6.1 [6.1]	6.0 [6.3]	5.9 [5.8]	6.2 [6.1]	3.3	3.3
Carbon Dioxide	mg/L	16	20	20 [20]	19 [19]	18 [19]	16 [17]	10	9.2
Ethane	ug/L	0.55 U	0.75 U	0.55 U [0.55 U]	0.55 U [0.55 U]	0.55 U [0.55 U]	0.75 U [0.75 U]	0.55 U	0.55 U
Ethene	ug/L	0.5 U	0.55 U	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U [0.50 U]	0.55 U [0.55 U]	0.50 U	0.5 U
Methane	ug/L	34	72	44 [46]	51 [58]	61 [54]	74 [79]	540	410
Alkalinity	mg/L	250	NA	NA	NA [NA]	NA [NA]	NA [NA]	190	200
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	NA [NA]	NA [NA]	NA [NA]	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA [NA]	NA [NA]	NA [NA]	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA [NA]	NA [NA]	NA [NA]	NA	NA
Nitrate Nitrogen	mg/L	0.10 U	NA	NA	NA [NA]	NA [NA]	NA [NA]	NA	0.10 U
Nitrite Nitrogen	mg/L	0.10 U	NA	NA	NA [NA]	NA [NA]	NA [NA]	NA	0.10 U
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	NA [NA]	NA [NA]	NA [NA]	NA	NA
Sulfate	mg/L	7.4	NA	NA	NA [NA]	NA [NA]	NA [NA]	0.25 U	0.40 U
Total Nitrate/Nitrite Nitrogen	mg/L	0.10 U	NA	NA	NA [NA]	NA [NA]	NA [NA]	0.10 U	0.10 U
Total Iron	mg/L	0.59	NA	NA	NA [NA]	NA [NA]	NA [NA]	0.29	0.17
Ferrous Iron	mg/L	0.66	NA	NA	NA [NA]	NA [NA]	NA [NA]	0.16	0.70
Ferric Iron	mg/L	-0.07	NA	NA	NA [NA]	NA [NA]	NA [NA]	0.13	-0.53
Sulfite	mg/L	1.92	NA	NA	NA [NA]	NA [NA]	NA [NA]	1.28	1.28

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TABLE 4
RECENT MONITORED NATURAL ATTENUATION PARAMETERS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-19D	MW-19D	MW-19D	MW-19D	MW-19D	MW-20A	MW-20A	MW-20A	MW-20A	MW-20A
Date Collected:	Units	11/24/15	12/01/16	11/09/17	11/09/18	11/21/19	11/14/13	11/12/14	11/23/15	11/30/16	11/08/17
Total Organic Carbon	mg/L	3.2	3.4	3.2	3.0	3.1	12	9.7	7.6 J3	8.6	7.8
Carbon Dioxide	mg/L	11	11	9.1	10	9.7	22	21	24	21	19
Ethane	ug/L	0.75 U	0.55 U	0.55 U	0.55 U	0.75 U	1.9	7.5	7.0	5.6	21
Ethene	ug/L	0.55 U	0.50 U	0.50 U	0.50 U	0.55 U	0.50 U	0.5 U	0.55 U	0.50 U	0.50 U
Methane	ug/L	670	980	540	880	770	63	140	55	97	290
Alkalinity	mg/L	NA	NA	NA	NA	NA	230	230	NA	NA	NA
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	NA	NA	NA	NA	NA	NA	0.10 U	NA	NA	NA
Nitrite Nitrogen	mg/L	NA	NA	NA	NA	NA	NA	0.10 U	NA	NA	NA
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	NA	NA	NA	16	17	NA	NA	NA
Total Nitrate/Nitrite Nitrogen	mg/L	NA	NA	NA	NA	NA	0.10 U	0.10 U	NA	NA	NA
Total Iron	mg/L	NA	NA	NA	NA	NA	2.37	1.98	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	NA	NA	NA	2.10	1.84	NA	NA	NA
Ferric Iron	mg/L	NA	NA	NA	NA	NA	0.27	0.14	NA	NA	NA
Sulfite	mg/L	NA	NA	NA	NA	NA	1.92	1.28	NA	NA	NA

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TABLE 4
RECENT MONITORED NATURAL ATTENUATION PARAMETERS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	Units	MW-20A 11/07/18	MW-20A 11/20/19	MW-20B 11/14/13	MW-20B 11/13/14	MW-20B 11/23/15	MW-20B 11/30/16	MW-20B 11/08/17	MW-20B 11/07/18
Total Organic Carbon	mg/L	9.0	9.8	6.9	7.9	7.2 [7.0]	7.4 [7.3]	7.1 [9.4]	7.1 [7.2]
Carbon Dioxide	mg/L	22	26	15	15	18 [19]	20 [19]	16 [16]	17 [19]
Ethane	ug/L	12	3.7	110	160	19 [30]	43 [57]	260 [190]	350 [310]
Ethene	ug/L	0.50 U	0.55 U	1.7	0.5 U	0.55 U [0.55 U]	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U [0.50 U]
Methane	ug/L	210	230	190	360	55 [87]	140 [170]	470 [360]	610 [530]
Alkalinity	mg/L	NA	NA	220	240	NA	NA	NA [NA]	NA [NA]
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	NA	NA	NA	NA [NA]	NA [NA]
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA [NA]	NA [NA]
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA [NA]	NA [NA]
Nitrate Nitrogen	mg/L	NA	NA	NA	0.10 U	NA	NA	NA [NA]	NA [NA]
Nitrite Nitrogen	mg/L	NA	NA	NA	0.10 U	NA	NA	NA [NA]	NA [NA]
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	NA	NA	NA	NA [NA]	NA [NA]
Sulfate	mg/L	NA	NA	4.3	5.8	NA	NA	NA [NA]	NA [NA]
Total Nitrate/Nitrite Nitrogen	mg/L	NA	NA	0.10 U	0.10 U	NA	NA	NA [NA]	NA [NA]
Total Iron	mg/L	NA	NA	1.91	1.92	NA	NA	NA [NA]	NA [NA]
Ferrous Iron	mg/L	NA	NA	1.60	1.6	NA	NA	NA [NA]	NA [NA]
Ferric Iron	mg/L	NA	NA	0.31	0.32	NA	NA	NA [NA]	NA [NA]
Sulfite	mg/L	NA	NA	1.92	1.92	NA	NA	NA [NA]	NA [NA]

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TABLE 4
RECENT MONITORED NATURAL ATTENUATION PARAMETERS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	Units	MW-20B 11/20/19	MW-20C 11/14/13	MW-20C 11/13/14	MW-20C 11/23/15	MW-20C 11/30/16	MW-20C 11/08/17	MW-20C 11/07/18	MW-20C 11/20/19	MW-22A 11/14/13
Total Organic Carbon	mg/L	7.8 [7.5]	4.5	4.9	4.5	4.6	4.2	4.2	4.2	13
Carbon Dioxide	mg/L	21 [22]	14	16	13	17	15	14	15	17
Ethane	ug/L	260 [290]	0.55 U	1.6	0.75 U	0.55 U	0.55 U	0.98 I	0.75 U	0.55 U
Ethene	ug/L	0.55 U [0.55 U]	4.0	11	2.7	4.7	5.1	12	6.1	0.50 U
Methane	ug/L	730 [770]	95	210	52	120	170	190	160	7.6
Alkalinity	mg/L	NA [NA]	230	240	NA	NA	NA	NA	NA	200
Alkalinity as CaCO3, Hydroxide	mg/L	NA [NA]	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA [NA]	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA [NA]	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	NA [NA]	NA	0.10 U	NA	NA	NA	NA	NA	NA
Nitrite Nitrogen	mg/L	NA [NA]	NA	0.10 U	NA	NA	NA	NA	NA	NA
Phenolphthalein Alkalinity	mg/L	NA [NA]	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA [NA]	0.25 U	0.25 U	NA	NA	NA	NA	NA	6.6
Total Nitrate/Nitrite Nitrogen	mg/L	NA [NA]	0.10 U	0.10 U	NA	NA	NA	NA	NA	0.10 U
Total Iron	mg/L	NA [NA]	0.31	0.58	NA	NA	NA	NA	NA	1.59
Ferrous Iron	mg/L	NA [NA]	0.30	0.31	NA	NA	NA	NA	NA	1.48
Ferric Iron	mg/L	NA [NA]	0.01	0.27	NA	NA	NA	NA	NA	0.11
Sulfite	mg/L	NA [NA]	1.92	1.92	NA	NA	NA	NA	NA	1.28

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TABLE 4
RECENT MONITORED NATURAL ATTENUATION PARAMETERS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-22A	MW-22A	MW-22A	MW-22A	MW-22A	MW-22A	MW-22B	MW-22B	MW-22B	MW-22B
Date Collected:	Units	11/13/14	11/23/15	12/01/16	11/08/17	11/09/18	11/21/19	11/14/13	11/13/14	11/23/15	12/01/16
Total Organic Carbon	mg/L	16	10	8.4	6.5	7.4	9.9	5.7	6.2	5.6	6.1
Carbon Dioxide	mg/L	21	16	19	12	16	27	14	15	18	19
Ethane	ug/L	0.55 U	0.75 U	0.55 U	0.55 U	0.55 U	0.75 U	0.55 U	0.55 U	0.75 U	0.55 U
Ethene	ug/L	0.5 U	0.55 U	0.50 U	0.50 U	0.50 U	0.55 U	0.50 U	0.5 U	0.55 U	0.50 U
Methane	ug/L	7.9	1.1	7.3	4.2	21	4.9	14	14	6.0	13
Alkalinity	mg/L	210	NA	NA	NA	NA	NA	220	230	NA	NA
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	0.10 U	NA	NA	NA	NA	NA	NA	0.10 U	NA	NA
Nitrite Nitrogen	mg/L	0.10 U	NA	NA	NA	NA	NA	NA	0.10 U	NA	NA
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	51	NA	NA	NA	NA	NA	8.5	7.9	NA	NA
Total Nitrate/Nitrite Nitrogen	mg/L	0.10 U	NA	NA	NA	NA	NA	0.10 U	0.10 U	NA	NA
Total Iron	mg/L	2.52	NA	NA	NA	NA	NA	0.28	0.19	NA	NA
Ferrous Iron	mg/L	2.27	NA	NA	NA	NA	NA	0.42	0.21	NA	NA
Ferric Iron	mg/L	0.25	NA	NA	NA	NA	NA	0.00	-0.02	NA	NA
Sulfite	mg/L	1.28	NA	NA	NA	NA	NA	1.28	1.28	NA	NA

Footnotes on Page 23.

TABLE 4
RECENT MONITORED NATURAL ATTENUATION PARAMETERS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	Units	MW-22B 11/08/17	MW-22B 11/09/18	MW-22B 11/21/19	MW-22C 11/15/13	MW-22C 11/13/14	MW-22C 11/23/15	MW-22C 12/01/16	MW-22C 11/08/17	MW-22C 11/09/18	MW-22C 11/21/19
Total Organic Carbon	mg/L	5.9	5.2	5.8	3.4	3.7	3.6	3.5	3.5	3.0	3.5
Carbon Dioxide	mg/L	17	19	19	15	16	18	20	18	20	19
Ethane	ug/L	0.55 U	0.55 U	0.75 U	0.55 U	0.55 U	0.75 U	0.55 U	0.55 U	0.55 U	0.75 U
Ethene	ug/L	0.50 U	0.50 U	0.55 U	0.50 U	0.5 U	0.55 U	0.50 U	0.50 U	0.50 U	0.55 U
Methane	ug/L	14	23	15 V	700	1,300	640	1,300	1,400	2,200	1,400
Alkalinity	mg/L	NA	NA	NA	240	240	NA	NA	NA	NA	NA
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	NA	NA	NA	NA	0.10 U	NA	NA	NA	NA	NA
Nitrite Nitrogen	mg/L	NA	NA	NA	NA	0.10 U	NA	NA	NA	NA	NA
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	NA	0.25 U	0.51	NA	NA	NA	NA	NA
Total Nitrate/Nitrite Nitrogen	mg/L	NA	NA	NA	0.10 U	0.10 U	NA	NA	NA	NA	NA
Total Iron	mg/L	NA	NA	NA	0.36	0.37	NA	NA	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	NA	0.36	0.29	NA	NA	NA	NA	NA
Ferric Iron	mg/L	NA	NA	NA	0.00	0.08	NA	NA	NA	NA	NA
Sulfite	mg/L	NA	NA	NA	1.28	1.28	NA	NA	NA	NA	NA

Footnotes:

mg/L - milligrams per liter
V - Indicates the analyte was detected in both the sample and the associated method blank.
U - Indicates that the compound was analyzed for but not detected.
Y - The laboratory analysis was from an improperly preserved sample. (Not at temp when received at the second lab.)
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3 - Estimated value may not be accurate. Spike recovery or Relative Percent Difference (RPD) outside of criteria.
NA - Not Analysed
NR - Not Recorded

TABLE 5
WATER LEVEL ELEVATION MEASUREMENTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

2008 Survey		Screen Interval		3/5/09		3/30/09		3/31/09		4/1/09		4/2/09	
Well ID	TOC Elev.	Top	Bottom	DTW	Calc. Elev.	DTW	Calc. Elev.	DTW	Calc. Elev.	DTW	Calc. Elev.	DTW	Calc. Elev.
MW-1B	29.70	115	125	24.63	5.07	24.62	5.08	24.59	5.11	24.24	5.46	24.13	5.57
MW-1C	29.88	142	152	25.03	4.85	24.96	4.92	24.87	5.01	24.50	5.38	24.50	5.38
MW-1D	28.54	200	210	26.19	2.35	24.86	3.68	24.13	4.41	23.97	4.57	25.40	3.14
MW-1E	28.57	220	230	26.16	2.41	24.85	3.72	24.11	4.46	23.95	4.62	25.37	3.20
MW-1F	28.52	280	290	25.98	2.54	24.84	3.68	24.05	4.47	23.84	4.68	25.27	3.25
MW-3 B	20.92	115	125	16.17	4.75	15.79	5.13	15.67	5.25	15.20	5.72	15.22	5.70
MW-3 C	21.57	179	209	18.93	2.64	17.27	4.30	15.36	6.21	15.30	6.27	16.12	5.45
MW-4 B	17.35	117	127	12.40	4.95	12.10	5.25	12.04	5.31	7.60	9.75	10.53	6.82
MW-4 C	17.39	142	152	13.21	4.18	12.56	4.83	12.25	5.14	12.12	5.27	12.56	4.83
MW-12 A	16.10	25	50	11.82	5.46	11.44	5.84	11.97	5.31	10.22	7.06	10.74	6.54
MW-12 B	15.94	75	100	11.76	5.44	11.40	5.80	11.97	5.23	10.29	6.91	10.78	6.42
MW-13 A	16.69	19	29	11.28	5.41	10.90	5.79	11.15	5.54	9.92	6.77	10.15	6.54
MW-13 B	16.53	92	112	11.22	5.31	10.83	5.70	11.14	5.39	10.26	6.27	10.38	6.15
MW-13 C	16.51	167	197	11.50	5.01	NM	--	NM	--	NM	--	10.53	5.98
MW-14 A	17.66	19	29	13.70	5.39	13.29	5.80	13.46	5.63	12.64	6.45	12.62	6.47
MW-14 B	17.57	89	109	13.52	5.35	13.09	5.78	13.42	5.45	12.62	6.25	12.63	6.24
MW-14 C	17.63	167	197	13.90	5.23	13.47	5.66	13.53	5.60	12.83	6.30	12.96	6.17
MW-18 A	17.06	70	80	11.98	5.08	11.42	5.64	11.72	5.34	10.65	6.41	10.66	6.40
MW-18 B	17.09	150	160	12.23	4.86	11.57	5.52	11.62	5.47	10.31	6.78	10.80	6.29
MW-18 C	17.01	245	255	12.05	4.96	11.52	5.49	11.55	5.46	10.86	6.15	10.95	6.06
MW-19 A	15.34	60	70	10.11	5.23	9.70	5.64	9.91	5.43	9.10	6.24	9.12	6.22
MW-19 B	15.49	135	145	10.30	5.19	9.96	5.53	10.10	5.39	9.31	6.18	9.34	6.15
MW-19 C	15.45	170	180	10.37	5.08	9.96	5.49	10.03	5.42	9.37	6.08	9.47	5.98
MW-19 D	15.41	225	265	10.39	5.02	9.95	5.46	10.00	5.41	9.47	5.94	9.49	5.92
MW-20 A	16.31	70	80	11.11	5.20	10.73	5.58	10.82	5.49	10.20	6.11	10.21	6.10
MW-20 B	16.37	125	135	11.17	5.20	10.80	5.57	10.89	5.48	10.29	6.08	10.30	6.07
MW-20 C	16.36	225	235	11.60	4.76	11.12	5.24	10.96	5.40	10.46	5.90	10.74	5.62
MW-21 B	16.82	130	140	10.82	6.00	11.27	5.55	11.38	5.44	10.72	6.10	10.97	5.85
MW-21 C	16.71	235	245	11.59	5.12	11.32	5.39	11.56	5.15	11.07	5.64	10.61	6.10
MW-22 A	16.73	60	70	11.41	5.32	11.25	5.48	11.27	5.46	10.90	5.83	10.84	5.89
MW-22 B	16.68	135	145	11.43	5.25	11.23	5.45	11.24	5.44	10.85	5.83	10.83	5.85
MW-22 C	16.72	230	240	11.96	4.76	11.59	5.13	11.52	5.20	11.01	5.71	11.25	5.47
EW-1	15.23	60	90	NI	--	9.62	5.61	15.15	0.08	11.60	3.63	11.50	3.73
EW-2	14.47	60	90	NI	--	8.77	5.70	13.71	0.76	11.60	2.87	12.60	1.87
IW-1	13.64	200	275	NI	--	11.40	2.24	2.82	10.82	2.00	11.64	4.00	9.64
PZ	16.46	3	13	NI	--	NM	--	NM	--	NM	--	NM	--

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TABLE 5
WATER LEVEL ELEVATION MEASUREMENTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

2008 Survey		Screen Interval		4/8/09		4/17/09		4/20/09		4/28/09		5/4/09	
Well ID	TOC Elev.	Top	Bottom	DTW	Calc. Elev.	DTW	Calc. Elev.	DTW	Calc. Elev.	DTW	Calc. Elev.	DTW	Calc. Elev.
MW-1B	29.70	115	125	24.01	5.69	24.17	5.53	24.29	5.41	23.30	6.40	23.75	5.95
MW-1C	29.88	142	152	24.33	5.55	24.55	5.33	24.58	5.30	23.60	6.28	23.47	6.41
MW-1D	28.54	200	210	24.10	4.44	25.03	3.51	23.93	4.61	23.05	5.49	22.99	5.55
MW-1E	28.57	220	230	24.09	4.48	25.02	3.55	23.91	4.66	23.07	5.50	23.00	5.57
MW-1F	28.52	280	290	24.02	4.50	24.60	3.92	24.20	4.32	22.98	5.54	23.27	5.25
MW-3 B	20.92	115	125	15.32	5.60	15.61	5.31	11.81	9.11	14.22	6.70	14.49	6.43
MW-3 C	21.57	179	209	15.16	6.41	16.03	5.54	12.06	9.51	14.40	7.17	14.60	6.97
MW-4 B	17.35	117	127	11.92	5.43	11.79	5.56	15.25	2.10	10.78	6.57	10.98	6.37
MW-4 C	17.39	142	152	11.51	5.88	12.70	4.69	15.56	1.83	11.10	6.29	11.23	6.16
MW-12 A	16.10	25	50	11.44	5.84	11.64	5.64	11.79	5.49	10.72	6.56	10.97	6.31
MW-12 B	15.94	75	100	11.45	5.75	11.63	5.57	11.78	5.42	10.72	6.48	10.96	6.24
MW-13 A	16.69	19	29	10.63	6.06	10.76	5.93	10.94	5.75	9.92	6.77	10.15	6.54
MW-13 B	16.53	92	112	10.43	6.10	10.61	5.92	10.72	5.81	9.80	6.73	9.92	6.61
MW-13 C	16.51	167	197	10.34	6.17	10.59	5.92	10.53	5.98	9.65	6.86	9.83	6.68
MW-14 A	17.66	19	29	12.76	6.33	12.91	6.18	13.08	6.01	12.12	6.97	12.32	6.77
MW-14 B	17.57	89	109	12.67	6.20	12.83	6.04	12.96	5.91	12.05	6.82	12.20	6.67
MW-14 C	17.63	167	197	12.78	6.35	13.12	6.01	13.15	5.98	12.25	6.88	12.29	6.84
MW-18 A	17.06	70	80	10.49	6.57	10.68	6.38	10.77	6.29	9.96	7.10	10.07	6.99
MW-18 B	17.09	150	160	10.60	6.49	10.90	6.19	10.88	6.21	10.02	7.07	10.18	6.91
MW-18 C	17.01	245	255	10.65	6.36	10.76	6.25	10.89	6.12	9.99	7.02	10.17	6.84
MW-19 A	15.34	60	70	9.15	6.19	9.32	6.02	9.41	5.93	8.55	6.79	8.70	6.64
MW-19 B	15.49	135	145	9.28	6.21	9.44	6.05	9.55	5.94	8.70	6.79	8.81	6.68
MW-19 C	15.45	170	180	9.18	6.27	9.35	6.10	9.48	5.97	8.65	6.80	8.75	6.70
MW-19 D	15.41	225	265	9.23	6.18	9.38	6.03	9.44	5.97	8.66	6.75	8.70	6.71
MW-20 A	16.31	70	80	10.08	6.23	10.27	6.04	10.30	6.01	9.42	6.89	9.60	6.71
MW-20 B	16.37	125	135	10.15	6.22	10.31	6.06	10.37	6.00	9.50	6.87	9.63	6.74
MW-20 C	16.36	225	235	10.38	5.98	10.69	5.67	10.52	5.84	9.66	6.70	9.75	6.61
MW-21 B	16.82	130	140	10.30	6.52	10.45	6.37	10.61	6.21	10.11	6.71	9.85	6.97
MW-21 C	16.71	235	245	10.51	6.20	10.64	6.07	10.74	5.97	9.92	6.79	10.00	6.71
MW-22 A	16.73	60	70	10.63	6.10	10.72	6.01	10.79	5.94	9.90	6.83	10.02	6.71
MW-22 B	16.68	135	145	10.57	6.11	10.63	6.05	10.72	5.96	9.85	6.83	9.97	6.71
MW-22 C	16.72	230	240	10.87	5.85	11.10	5.62	10.98	5.74	10.13	6.59	10.21	6.51
EW-1	15.23	60	90	NM	--	NM	--	NM	--	11.90	3.33	11.80	3.43
EW-2	14.47	60	90	NM	--	NM	--	NM	--	11.60	2.87	11.70	2.77
IW-1	13.64	200	275	NM	--	NM	--	NM	--	NM	--	NM	--
PZ	16.46	3	13	NM	--	dry	--	dry	--	11.87	4.59	12.05	4.41

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TABLE 5
WATER LEVEL ELEVATION MEASUREMENTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

2008 Survey		Screen Interval		6/18/09		10/19/09		11/24/09		12/30/09		1/6/10	
Well ID	TOC Elev.	Top	Bottom	DTW	Calc. Elev.	DTW	Calc. Elev.	DTW	Calc. Elev.	DTW	Calc. Elev.	DTW	Calc. Elev.
MW-1B	29.70	115	125	21.70	8.00	23.15	6.55	23.89	5.81	21.94	7.76	22.59	7.11
MW-1C	29.88	142	152	22.24	7.64	23.15	6.73	23.80	6.08	22.40	7.48	22.27	7.61
MW-1D	28.54	200	210	22.68	5.86	24.02	4.52	23.60	4.94	22.46	6.08	22.27	6.27
MW-1E	28.57	220	230	22.68	5.89	24.03	4.54	23.61	4.96	22.48	6.09	22.25	6.32
MW-1F	28.52	280	290	22.20	6.32	23.95	4.57	22.97	5.55	22.41	6.11	22.23	6.29
MW-3 B	20.92	115	125	12.93	7.99	14.35	6.57	14.92	6.00	13.23	7.69	13.53	7.39
MW-3 C	21.57	179	209	14.30	7.27	16.45	5.12	15.02	6.55	13.87	7.70	14.05	7.52
MW-4 B	17.35	117	127	9.35	8.00	10.70	6.65	11.44	5.91	9.65	7.70	9.94	7.41
MW-4 C	17.39	142	152	10.41	6.98	11.74	5.65	12.01	5.38	10.47	6.92	10.58	6.81
MW-12 A	16.10	25	50	9.02	8.26	10.02	7.26	11.27	6.01	9.58	7.70	9.89	7.39
MW-12 B	15.94	75	100	9.02	8.18	10.08	7.12	11.28	5.92	9.59	7.61	9.90	7.30
MW-13 A	16.69	19	29	8.38	8.31	9.40	7.29	10.44	6.25	8.93	7.76	9.21	7.48
MW-13 B	16.53	92	112	8.41	8.12	9.24	7.29	10.20	6.33	8.90	7.63	9.13	7.40
MW-13 C	16.51	167	197	8.66	7.85	9.58	6.93	10.11	6.40	8.88	7.63	9.12	7.39
MW-14 A	17.66	19	29	10.79	8.30	11.69	7.40	12.53	6.56	11.31	7.78	11.56	7.53
MW-14 B	17.57	89	109	10.75	8.12	11.48	7.39	12.44	6.43	11.25	7.62	11.48	7.39
MW-14 C	17.63	167	197	11.01	8.12	11.89	7.24	12.54	6.59	11.38	7.75	11.63	7.50
MW-18 A	17.06	70	80	9.03	8.03	9.70	7.36	10.12	6.94	9.36	7.70	9.63	7.43
MW-18 B	17.09	150	160	9.00	8.09	9.76	7.33	10.20	6.89	9.42	7.67	9.71	7.38
MW-18 C	17.01	245	255	9.14	7.87	9.77	7.24	10.26	6.75	9.53	7.48	9.67	7.34
MW-19 A	15.34	60	70	7.26	8.08	8.07	7.27	8.92	6.42	7.72	7.62	7.95	7.39
MW-19 B	15.49	135	145	7.45	8.04	8.23	7.26	9.03	6.46	7.94	7.55	8.11	7.38
MW-19 C	15.45	170	180	7.48	7.97	8.39	7.06	8.92	6.53	7.93	7.52	8.05	7.40
MW-19 D	15.41	225	265	7.62	7.79	8.41	7.00	8.94	6.47	7.89	7.52	8.02	7.39
MW-20 A	16.31	70	80	8.16	8.15	9.10	7.21	9.79	6.52	8.50	7.81	8.74	7.57
MW-20 B	16.37	125	135	8.26	8.11	9.18	7.19	9.84	6.53	8.59	7.78	8.82	7.55
MW-20 C	16.36	225	235	8.61	7.75	9.70	6.66	10.05	6.31	8.81	7.55	9.00	7.36
MW-21 B	16.82	130	140	9.40	7.42	destroyed	--	destroyed	--	destroyed	--	destroyed	--
MW-21 C	16.71	235	245	9.00	7.71	destroyed	--	destroyed	--	destroyed	--	destroyed	--
MW-22 A	16.73	60	70	8.40	8.33	9.58	7.15	10.30	6.43	9.26	7.47	8.98	7.75
MW-22 B	16.68	135	145	8.53	8.15	9.56	7.12	10.18	6.50	8.78	7.90	9.03	7.65
MW-22 C	16.72	230	240	9.01	7.71	10.08	6.64	10.47	6.25	8.70	8.02	9.34	7.38
EW-1	15.23	60	90	9.55	5.68	8.00	7.23	12.30	2.93	10.72	4.51	NM	--
EW-2	14.47	60	90	8.95	5.52	7.34	7.13	12.25	2.22	10.05	4.42	NM	--
IW-1	13.64	200	275	NM	--	10.39	3.25	NM	--	NM	--	NM	--
PZ	16.46	3	13	10.03	6.43	NM	--	dry	--	10.51	5.95	NM	--

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TABLE 5
WATER LEVEL ELEVATION MEASUREMENTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

2008 Survey		Screen Interval		4/12/10		11/1/10		5/23/11		5/27/11		11/28/11	
Well ID	TOC Elev.	Top	Bottom	DTW	Calc. Elev.	DTW	Calc. Elev.	DTW	Calc. Elev.	DTW	Calc. Elev.	DTW	Calc. Elev.
MW-1B	29.70	115	125	22.10	7.60	23.48	6.22	25.89	3.81	25.93	3.77	22.48	7.22
MW-1C	29.88	142	152	22.48	7.40	23.93	5.95	26.33	3.55	26.32	3.56	22.95	6.93
MW-1D	28.54	200	210	21.89	6.65	24.96	3.58	26.98	1.56	26.92	1.62	23.55	4.99
MW-1E	28.57	220	230	21.90	6.67	24.94	3.63	26.96	1.61	26.91	1.66	23.55	5.02
MW-1F	28.52	280	290	22.55	5.97	24.85	3.67	25.76	2.76	26.34	2.18	23.45	5.07
MW-3 B	20.92	115	125	13.30	7.62	14.75	6.17	17.01	3.91	16.98	3.94	13.84	7.08
MW-3 C	21.57	179	209	14.55	7.02	16.06	5.51	18.93	2.64	18.24	3.33	16.48	5.09
MW-4 B	17.35	117	127	9.68	7.67	11.12	6.23	13.30	4.05	NM	--	10.10	7.25
MW-4 C	17.39	142	152	10.05	7.34	12.21	5.18	13.98	3.41	NM	--	11.08	6.31
MW-12 A	16.10	25	50	8.45	8.83	9.49	6.61	11.26	4.84	11.49	4.61	8.23	7.87
MW-12 B	15.94	75	100	8.42	8.78	9.41	6.53	11.11	4.83	11.38	4.56	8.12	7.82
MW-13 A	16.69	19	29	8.21	8.48	9.92	6.77	11.57	5.12	11.73	4.96	8.79	7.90
MW-13 B	16.53	92	112	8.33	8.20	9.70	6.83	11.09	5.44	11.42	5.11	8.82	7.71
MW-13 C	16.51	167	197	8.55	7.96	9.84	6.67	11.47	5.04	11.63	4.88	9.15	7.36
MW-14 A	17.66	19	29	10.92	8.17	10.63	7.03	12.11	5.55	12.31	5.35	9.90	7.76
MW-14 B	17.57	89	109	10.74	8.13	10.65	6.92	11.96	5.61	12.34	5.23	9.84	7.73
MW-14 C	17.63	167	197	11.05	8.08	10.70	6.93	12.20	5.43	12.41	5.22	10.08	7.55
MW-18 A	17.06	70	80	9.10	7.96	9.73	7.33	11.29	5.77	11.35	5.71	10.05	7.01
MW-18 B	17.09	150	160	9.36	7.73	9.94	7.15	11.15	5.94	11.25	5.84	9.68	7.41
MW-18 C	17.01	245	255	9.11	7.90	9.68	7.33	11.24	5.77	11.44	5.57	9.88	7.13
MW-19 A	15.34	60	70	7.35	7.99	8.47	6.87	9.91	5.43	10.19	5.15	7.83	7.51
MW-19 B	15.49	135	145	7.45	8.04	8.61	6.88	9.99	5.50	10.30	5.19	8.04	7.45
MW-19 C	15.45	170	180	7.49	7.96	8.60	6.85	10.14	5.31	10.32	5.13	8.05	7.40
MW-19 D	15.41	225	265	7.48	7.93	8.64	6.77	10.22	5.19	10.38	5.03	8.27	7.14
MW-20 A	16.31	70	80	8.26	8.05	9.36	6.95	11.04	5.27	11.18	5.13	8.74	7.57
MW-20 B	16.37	125	135	8.35	8.02	9.43	6.94	11.03	5.34	11.23	5.14	8.83	7.54
MW-20 C	16.36	225	235	8.52	7.84	9.90	6.46	11.67	4.69	11.77	4.59	9.26	7.10
MW-21 B	16.82	130	140	destroyed	--	destroyed	--	destroyed	--	destroyed	--	destroyed	--
MW-21 C	16.71	235	245	destroyed	--	destroyed	--	destroyed	--	destroyed	--	destroyed	--
MW-22 A	16.73	60	70	8.67	8.06	9.74	6.99	11.82	4.91	11.93	4.80	9.09	7.64
MW-22 B	16.68	135	145	9.66	7.02	9.70	6.98	11.52	5.16	11.65	5.03	9.17	7.51
MW-22 C	16.72	230	240	8.91	7.81	10.20	6.52	12.16	4.56	12.22	4.50	9.60	7.12
EW-1	15.23	60	90	NM	--	NM	--	NM	--	NM	--	NM	--
EW-2	14.47	60	90	NM	--	NM	--	NM	--	NM	--	NM	--
IW-1	13.64	200	275	NM	--	NM	--	NM	--	NM	--	NM	--
PZ	16.46	3	13	NM	--	NM	--	NM	--	NM	--	NM	--

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TABLE 5
WATER LEVEL ELEVATION MEASUREMENTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

2008 Survey		Screen Interval		5/7/12		11/8/12		1/16/13		6/3/13		11/15/13	
Well ID	TOC Elev.	Top	Bottom	DTW	Calc. Elev.	DTW	Calc. Elev.	DTW	Calc. Elev.	DTW	Calc. Elev.	DTW	Calc. Elev.
MW-1B	29.70	115	125	24.53	5.17	20.35	9.35	22.96	6.74	20.31	9.39	24.05	5.65
MW-1C	29.88	142	152	25.04	4.84	20.84	9.04	23.40	6.48	20.76	9.12	23.53	6.35
MW-1D	28.54	200	210	25.78	2.76	22.29	6.25	24.76	3.78	21.44	7.10	26.22	2.32
MW-1E	28.57	220	230	25.74	2.83	22.26	6.31	24.76	3.81	21.44	7.13	25.88	2.69
MW-1F	28.52	280	290	25.66	2.86	22.18	6.34	24.56	3.96	21.38	7.14	25.77	2.75
MW-3 B	20.92	115	125	15.88	5.04	11.85	9.07	14.21	6.71	11.74	9.18	14.94	5.98
MW-3 C	21.57	179	209	18.89	2.68	14.23	7.34	16.13	5.44	13.83	7.74	17.14	4.43
MW-4 B	17.35	117	127	12.21	5.14	8.25	9.10	10.67	6.68	8.13	9.22	11.40	5.95
MW-4 C	17.39	142	152	13.52	3.87	9.65	7.74	11.73	5.66	9.14	8.25	13.12	4.27
MW-12 A	16.10	25	50	10.17	5.93	6.85	9.25	9.12	6.98	6.35	9.75	9.01	7.09
MW-12 B	15.94	75	100	10.02	5.92	6.75	9.19	9.01	6.93	6.19	9.75	8.90	7.04
MW-13 A	16.69	19	29	10.54	6.15	7.43	9.26	9.62	7.07	6.92	9.77	10.00	6.69
MW-13 B	16.53	92	112	10.23	6.30	7.52	9.01	9.56	6.97	7.02	9.51	9.92	6.61
MW-13 C	16.51	167	197	10.63	5.88	7.56	8.95	9.87	6.64	7.40	9.11	10.24	6.27
MW-14 A	17.66	19	29	11.15	6.51	8.60	9.06	10.59	7.07	8.02	9.64	11.06	6.60
MW-14 B	17.57	89	109	11.23	6.34	8.52	9.05	10.57	7.00	8.12	9.45	11.05	6.52
MW-14 C	17.63	167	197	11.41	6.22	8.75	8.88	10.94	6.69	8.54	9.09	11.47	6.16
MW-18 A	17.06	70	80	10.28	6.78	8.43	8.63	10.80	6.26	8.67	8.39	11.44	5.62
MW-18 B	17.09	150	160	10.31	6.78	8.70	8.39	11.74	5.35	9.51	7.58	12.45	4.64
MW-18 C	17.01	245	255	10.45	6.56	8.42	8.59	12.83	4.18	10.39	6.62	13.35	3.66
MW-19 A	15.34	60	70	9.07	6.27	6.57	8.77	8.37	6.97	6.00	9.34	9.07	6.27
MW-19 B	15.49	135	145	9.16	6.33	6.79	8.70	8.57	6.92	6.24	9.25	9.27	6.22
MW-19 C	15.45	170	180	9.03	6.42	6.84	8.61	8.90	6.55	6.45	9.00	9.52	5.93
MW-19 D	15.41	225	265	8.96	6.45	6.79	8.62	8.96	6.45	6.52	8.89	9.66	5.75
MW-20 A	16.31	70	80	9.99	6.32	7.32	8.99	9.26	7.05	6.77	9.54	9.85	6.46
MW-20 B	16.37	125	135	10.02	6.35	7.39	8.98	9.33	7.04	6.85	9.52	9.90	6.47
MW-20 C	16.36	225	235	10.14	6.22	7.86	8.50	9.91	6.45	7.38	8.98	10.50	5.86
MW-21 B	16.82	130	140	destroyed	--	destroyed	--	destroyed	--	destroyed	--	destroyed	--
MW-21 C	16.71	235	245	destroyed	--	destroyed	--	destroyed	--	destroyed	--	destroyed	--
MW-22 A	16.73	60	70	10.73	6.00	6.99	9.74	9.41	7.32	6.72	10.01	10.03	6.70
MW-22 B	16.68	135	145	10.51	6.17	7.26	9.42	9.50	7.18	6.91	9.77	10.12	6.56
MW-22 C	16.72	230	240	11.07	5.65	7.88	8.84	10.21	6.51	7.61	9.11	11.09	5.63
EW-1	15.23	60	90	NM	--	NM	--	NM	--	NM	--	NM	--
EW-2	14.47	60	90	NM	--	NM	--	NM	--	NM	--	NM	--
IW-1	13.64	200	275	NM	--	NM	--	NM	--	NM	--	NM	--
PZ	16.46	3	13	NM	--	NM	--	NM	--	NM	--	NM	--

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TABLE 5
WATER LEVEL ELEVATION MEASUREMENTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

2008 Survey		Screen Interval		5/27/14		11/10/14		5/28/15		11/27/15		5/27/16	
Well ID	TOC Elev.	Top	Bottom	DTW	Calc. Elev.	DTW	Calc. Elev.	DTW	Calc. Elev.	DTW	Calc. Elev.	DTW	Calc. Elev.
MW-1B	29.70	115	125	25.36	4.34	21.90	7.80	25.58	4.12	24.52	5.18	24.64	5.06
MW-1C	29.88	142	152	25.74	4.14	22.29	7.59	26.04	3.84	25.09	4.79	25.10	4.78
MW-1D	28.54	200	210	27.40	1.14	22.59	5.95	26.38	2.16	25.87	2.67	26.74	1.80
MW-1E	28.57	220	230	27.38	1.19	22.59	5.98	26.38	2.19	27.17	1.40	26.71	1.86
MW-1F	28.52	280	290	27.20	1.32	22.86	5.66	26.38	2.14	27.18	1.34	26.71	1.81
MW-3 B	20.92	115	125	16.62	4.30	13.02	7.90	16.68	4.24	15.76	5.16	15.62	5.30
MW-3 C	21.57	179	209	18.26	3.31	13.97	7.60	18.03	3.54	18.49	3.08	17.92	3.65
MW-4 B	17.35	117	127	13.03	4.32	9.38	7.97	13.21	4.14	12.21	5.14	12.18	5.17
MW-4 C	17.39	142	152	14.40	2.99	10.26	7.13	14.26	3.13	13.36	4.03	13.45	3.94
MW-12 A	16.10	25	50	11.28	4.82	7.61	8.49	10.94	5.16	10.14	5.96	10.08	6.02
MW-12 B	15.94	75	100	11.17	4.77	7.54	8.40	10.74	5.20	9.87	6.07	9.87	6.07
MW-13 A	16.69	19	29	11.49	5.20	8.32	8.37	11.28	5.41	10.60	6.09	10.51	6.18
MW-13 B	16.53	92	112	11.24	5.29	8.43	8.10	11.16	5.37	10.67	5.86	10.48	6.05
MW-13 C	16.51	167	197	11.52	4.99	8.58	7.93	11.37	5.14	11.03	5.48	10.83	5.68
MW-14 A	17.66	19	29	12.09	5.57	9.45	8.21	11.97	5.69	11.59	6.07	11.34	6.32
MW-14 B	17.57	89	109	12.13	5.44	9.54	8.03	12.05	5.52	11.73	5.84	11.48	6.09
MW-14 C	17.63	167	197	12.33	5.30	9.57	8.06	12.16	5.47	11.15	6.48	11.66	5.97
MW-18 A	17.06	70	80	11.33	5.73	9.08	7.98	10.95	6.11	11.03	6.03	10.42	6.64
MW-18 B	17.09	150	160	11.78	5.31	9.39	7.70	11.08	6.01	11.02	6.07	11.12	5.97
MW-18 C	17.01	245	255	11.49	5.52	9.00	8.01	11.12	5.89	12.14	4.87	11.32	5.69
MW-19 A	15.34	60	70	10.02	5.32	7.37	7.97	9.90	5.44	9.24	6.10	9.30	6.04
MW-19 B	15.49	135	145	10.12	5.37	7.57	7.92	10.02	5.47	9.45	6.04	9.44	6.05
MW-19 C	15.45	170	180	10.26	5.19	7.52	7.93	10.08	5.37	9.59	5.86	9.58	5.87
MW-19 D	15.41	225	265	10.42	4.99	7.57	7.84	10.12	5.29	9.67	5.74	9.69	5.72
MW-20 A	16.31	70	80	10.94	5.37	8.30	8.01	10.82	5.49	10.21	6.10	10.23	6.08
MW-20 B	16.37	125	135	11.02	5.35	8.36	8.01	10.89	5.48	10.23	6.14	10.29	6.08
MW-20 C	16.36	225	235	11.72	4.64	8.58	7.78	11.43	4.93	10.16	6.20	10.97	5.39
MW-21 B	16.82	130	140	destroyed	--	destroyed	--	destroyed	--	destroyed	--	destroyed	--
MW-21 C	16.71	235	245	destroyed	--	destroyed	--	destroyed	--	destroyed	--	destroyed	--
MW-22 A	16.73	60	70	11.48	5.25	8.56	8.17	11.58	5.15	10.79	5.94	10.75	5.98
MW-22 B	16.68	135	145	11.35	5.33	8.65	8.03	11.29	5.39	10.75	5.93	10.63	6.05
MW-22 C	16.72	230	240	12.11	4.61	9.02	7.70	11.86	4.86	11.45	5.27	11.36	5.36
EW-1	15.23	60	90	13.42	1.81	9.90	5.33	15.00	0.23	16.00	-0.77	18.75	-3.52
EW-2	14.47	60	90	12.48	1.99	8.80	5.67	9.25	5.22	8.21	6.26	8.40	6.07
IW-1	13.64	200	275	NM	--	NM	--	NM	--	NM	--	NM	--
PZ	16.46	3	13	NM	--	10.23	--	NM	--	dry	--	dry	--

Footnotes on Page 8.

TABLE 5
WATER LEVEL ELEVATION MEASUREMENTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

2008 Survey		Screen Interval		11/28/16		6/2/17		11/10/17		6/9/18		11/11/18	
Well ID	TOC Elev.	Top	Bottom	DTW	Calc. Elev.	DTW	Calc. Elev.	DTW	Calc. Elev.	DTW	Calc. Elev.	DTW	Calc. Elev.
MW-1B	29.70	115	125	24.26	5.44	25.78	3.92	21.51	8.19	20.60	9.10	23.86	5.84
MW-1C	29.88	142	152	24.74	5.14	26.46	3.42	22.30	7.58	20.99	8.89	24.43	5.45
MW-1D	28.54	200	210	25.86	2.68	28.13	0.41	24.43	4.11	22.43	6.11	25.76	2.78
MW-1E	28.57	220	230	25.85	2.72	28.07	0.50	24.40	4.17	22.43	6.14	25.74	2.83
MW-1F	28.52	280	290	25.66	2.86	27.95	0.57	24.31	4.21	23.60	4.92	25.65	2.87
MW-3 B	20.92	115	125	15.44	5.48	16.81	4.11	12.96	7.96	11.71	9.21	15.22	5.70
MW-3 C	21.57	179	209	15.25	6.32	19.40	2.17	16.09	5.48	13.60	7.97	17.69	3.88
MW-4 B	17.35	117	127	11.96	5.39	13.32	4.03	9.40	7.95	8.28	9.07	11.54	5.81
MW-4 C	17.39	142	152	13.12	4.27	14.81	2.58	11.12	6.27	9.51	7.88	12.75	4.64
MW-12 A	16.10	25	50	10.20	5.90	11.15	4.95	7.44	8.66	6.61	9.49	9.79	6.31
MW-12 B	15.94	75	100	10.02	5.92	10.96	4.98	7.19	8.75	6.43	9.51	9.60	6.34
MW-13 A	16.69	19	29	10.52	6.17	11.39	5.30	8.00	8.69	6.81	9.88	10.22	6.47
MW-13 B	16.53	92	112	10.21	6.32	11.00	5.53	8.12	8.41	6.57	9.96	10.11	6.42
MW-13 C	16.51	167	197	10.47	6.04	11.50	5.01	8.45	8.06	6.85	9.66	10.22	6.29
MW-14 A	17.66	19	29	11.17	6.49	12.07	5.59	9.03	8.63	7.27	10.39	11.08	6.58
MW-14 B	17.57	89	109	11.12	6.45	12.02	5.55	9.11	8.46	7.43	10.14	11.10	6.47
MW-14 C	17.63	167	197	11.28	6.35	12.34	5.29	9.37	8.26	7.69	9.94	11.28	6.35
MW-18 A	17.06	70	80	10.37	6.69	11.30	5.76	9.29	7.77	7.10	9.96	10.32	6.74
MW-18 B	17.09	150	160	10.59	6.50	12.10	4.99	9.69	7.40	8.60	8.49	10.35	6.74
MW-18 C	17.01	245	255	10.51	6.50	12.56	4.45	9.94	7.07	7.45	9.56	10.37	6.64
MW-19 A	15.34	60	70	8.99	6.35	9.84	5.50	7.11	8.23	5.47	9.87	8.86	6.48
MW-19 B	15.49	135	145	9.14	6.35	10.11	5.38	7.33	8.16	5.63	9.86	9.00	6.49
MW-19 C	15.45	170	180	8.87	6.58	10.43	5.02	7.60	7.85	5.77	9.68	9.01	6.44
MW-19 D	15.41	225	265	9.30	6.11	10.47	4.94	7.67	7.74	5.78	9.63	9.14	6.27
MW-20 A	16.31	70	80	9.97	6.34	10.86	5.45	7.92	8.39	6.31	10.00	9.78	6.53
MW-20 B	16.37	125	135	10.02	6.35	10.92	5.45	8.05	8.32	6.38	9.99	9.83	6.54
MW-20 C	16.36	225	235	10.56	5.80	11.79	4.57	8.63	7.73	6.96	9.40	10.39	5.97
MW-21 B	16.82	130	140	destroyed	--	destroyed	--	destroyed	--	destroyed	--	destroyed	--
MW-21 C	16.71	235	245	destroyed	--	destroyed	--	destroyed	--	destroyed	--	destroyed	--
MW-22 A	16.73	60	70	10.50	6.23	11.66	5.07	7.90	8.83	6.68	10.05	10.24	6.49
MW-22 B	16.68	135	145	10.37	6.31	11.38	5.30	8.22	8.46	6.65	10.03	10.22	6.46
MW-22 C	16.72	230	240	10.99	5.73	12.27	4.45	9.05	7.67	7.40	9.32	10.81	5.91
EW-1	15.23	60	90	15.90	-0.67	20.22	-4.99	19.81	-4.58	23.30	-8.07	22.36	-7.13
EW-2	14.47	60	90	10.79	3.68	11.75	2.72	8.79	5.68	11.80	2.67	12.61	1.86
IW-1	13.64	200	275	NM	--	NM	--	NM	--	NM	--	NM	--
PZ	16.46	3	13	12.45	4.01	dry	--	dry	--	dry	--	dry	--

Footnotes on Page 8.

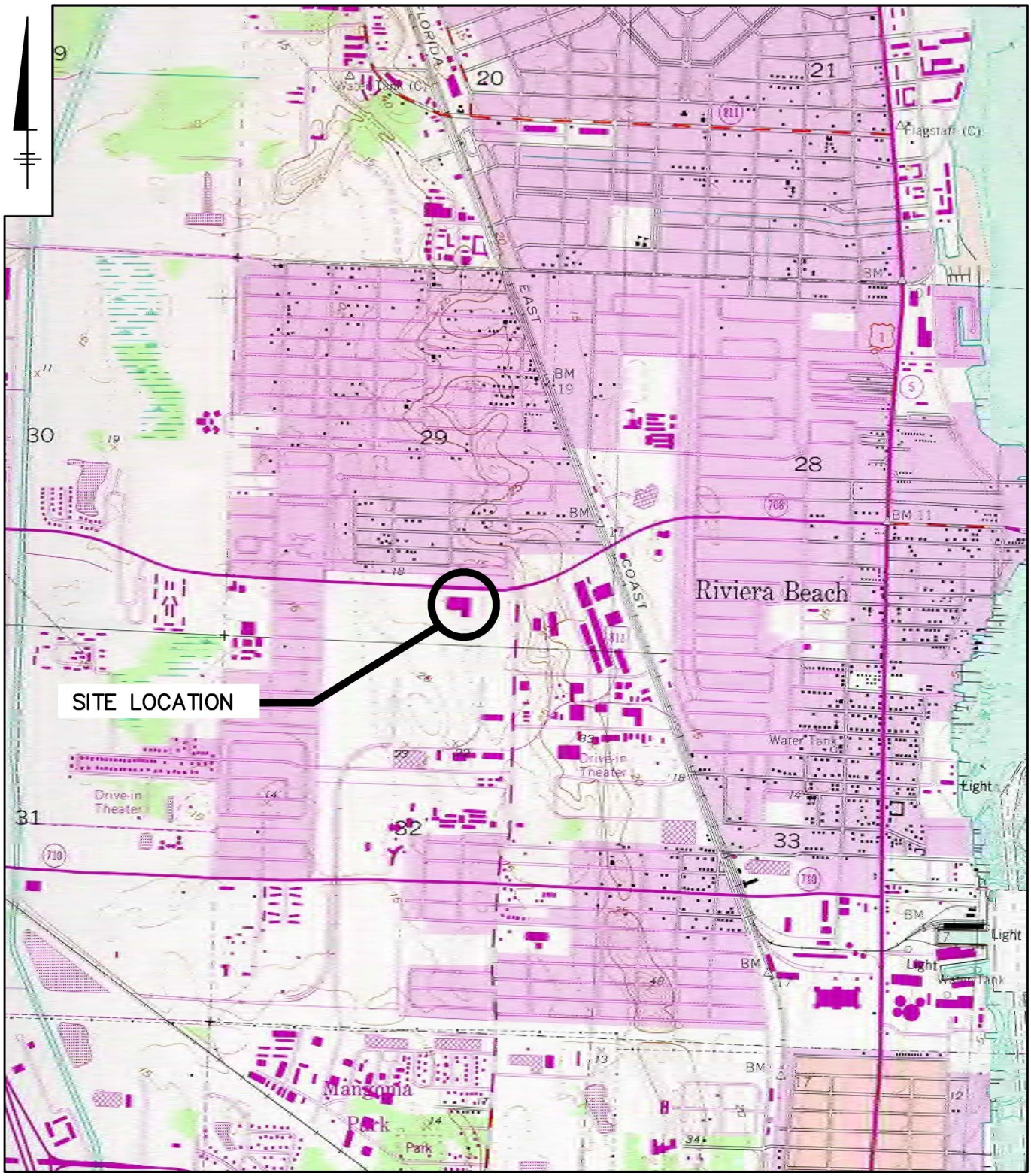
TABLE 5
WATER LEVEL ELEVATION MEASUREMENTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

2008 Survey		Screen Interval		5/6/19		11/18/19	
Well ID	TOC Elev.	Top	Bottom	DTW	Calc. Elev.	DTW	Calc. Elev.
MW-1B	29.70	115	125	23.26	6.44	22.69	7.01
MW-1C	29.88	142	152	23.87	6.01	23.13	6.75
MW-1D	28.54	200	210	25.17	3.37	23.84	4.70
MW-1E	28.57	220	230	25.19	3.38	23.90	4.67
MW-1F	28.52	280	290	25.21	3.31	23.78	4.74
MW-3 B	20.92	115	125	14.65	6.27	14.31	6.61
MW-3 C	21.57	179	209	17.30	4.27	16.00	5.57
MW-4 B	17.35	117	127	11.00	6.35	10.33	7.02
MW-4 C	17.39	142	152	12.50	4.89	11.29	6.10
MW-12 A	16.10	25	50	8.45	7.65	8.58	7.52
MW-12 B	15.94	75	100	8.09	7.85	8.37	7.57
MW-13 A	16.69	19	29	8.95	7.74	9.13	7.56
MW-13 B	16.53	92	112	8.92	7.61	9.18	7.35
MW-13 C	16.51	167	197	9.40	7.11	9.52	6.99
MW-14 A	17.66	19	29	9.84	7.82	10.21	7.45
MW-14 B	17.57	89	109	9.83	7.74	10.23	7.34
MW-14 C	17.63	167	197	10.23	7.40	10.60	7.03
MW-18 A	17.06	70	80	9.41	7.65	11.33	5.73
MW-18 B	17.09	150	160	9.47	7.62	11.30	5.79
MW-18 C	17.01	245	255	9.44	7.57	11.35	5.66
MW-19 A	15.34	60	70	7.85	7.49	8.23	7.11
MW-19 B	15.49	135	145	8.01	7.48	8.80	6.69
MW-19 C	15.45	170	180	8.32	7.13	8.72	6.73
MW-19 D	15.41	225	265	8.35	7.06	8.69	6.72
MW-20 A	16.31	70	80	8.48	7.83	8.83	7.48
MW-20 B	16.37	125	135	8.37	8.00	9.17	7.20
MW-20 C	16.36	225	235	8.46	7.90	9.33	7.03
MW-21 B	16.82	130	140	destroyed	--	destroyed	--
MW-21 C	16.71	235	245	destroyed	--	destroyed	--
MW-22 A	16.73	60	70	9.22	7.51	9.31	7.42
MW-22 B	16.68	135	145	9.23	7.45	9.58	7.10
MW-22 C	16.72	230	240	9.27	7.45	10.02	6.70
EW-1	15.23	60	90	8.57	6.66	8.01	7.22
EW-2	14.47	60	90	9.71	4.76	9.17	5.30
IW-1	13.64	200	275	NM	--	NM	--
PZ	16.46	3	13	dry	--	dry	--

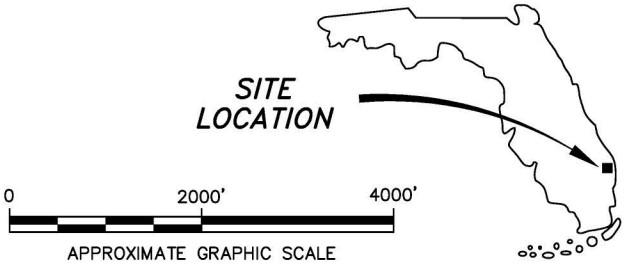
Footnotes:

DTW - depth to water
NI - Not Installed
NM - Not Measured
- EW-1, EW-2, and IW-1 were surveyed Spring 2009
- MW-21B and MW-21C were destroyed during city road repair
- System was shut down during October 09 water level collection
- MW-12, MW-13 and MW-14 clusters were resurveyed in November 2010

FIGURES



SOURCE: USGS 7.5 MIN. TOPOGRAPHIC QUADRANGLE: RIVIERA BEACH, 1946 (PHOTOREVISED: 1983) PALM BEACH COUNTY, FL; TOWNSHIP: 42S RANGE: 43E SECTION: 29



SOLITRON DEVICES, INC.

SEMI-ANNUAL GROUNDWATER MONITORING REPORT

SITE LOCATION MAP

ARCADIS

FIGURE 1

CITY: TAMPA DIV/GROUP: 85 DB: JAR LD: JAR AM: PD: TM: TR: LYR:ON=*;OFF=*REF*
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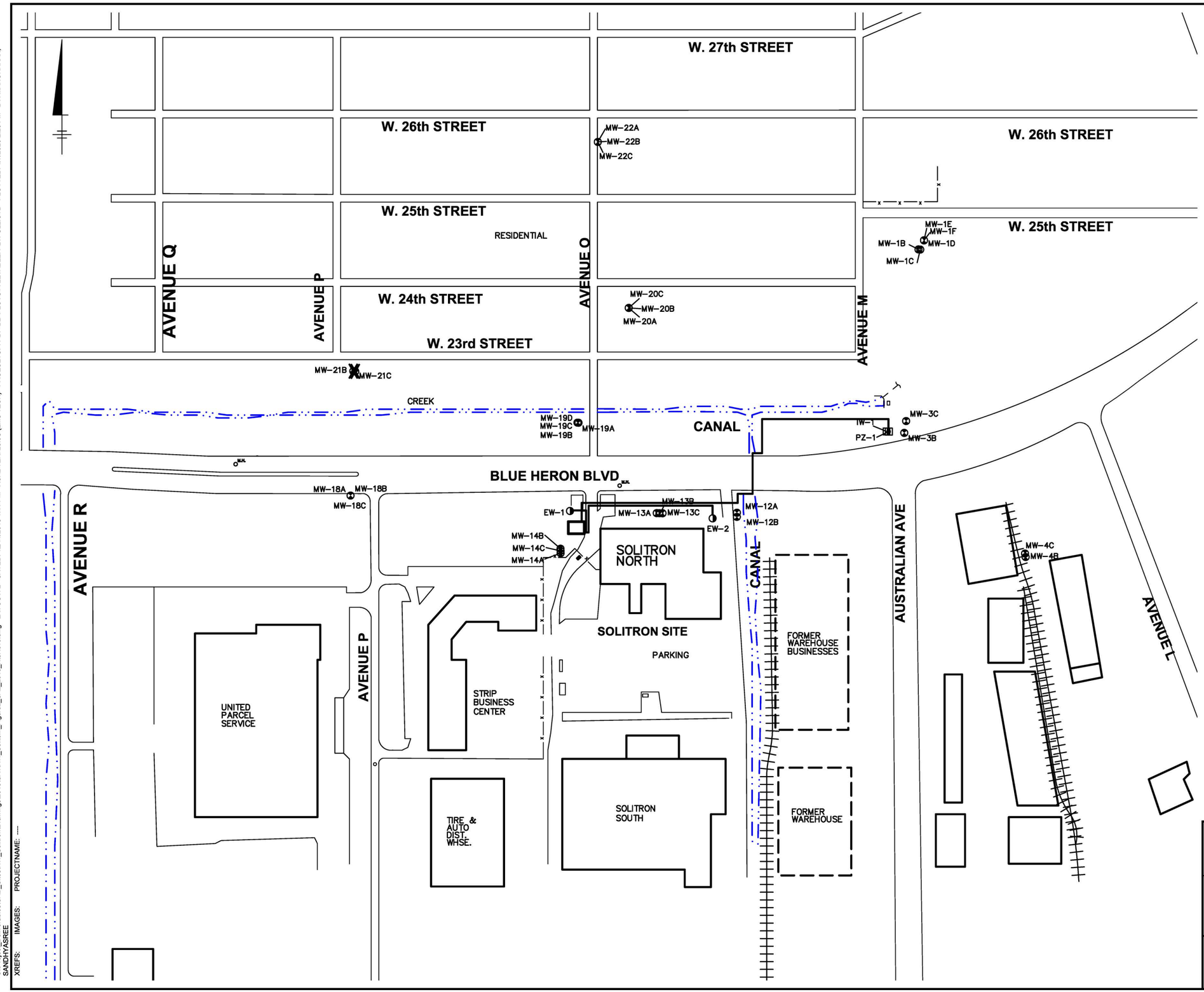

SOLITRON DEVICES, INC.

SEMI-ANNUAL GROUNDWATER MONITORING REPORT

SITE MAP

ARCADIS

FIGURE

2

CITY:TAMPA DIV/GROUP:85 DB:JAR LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
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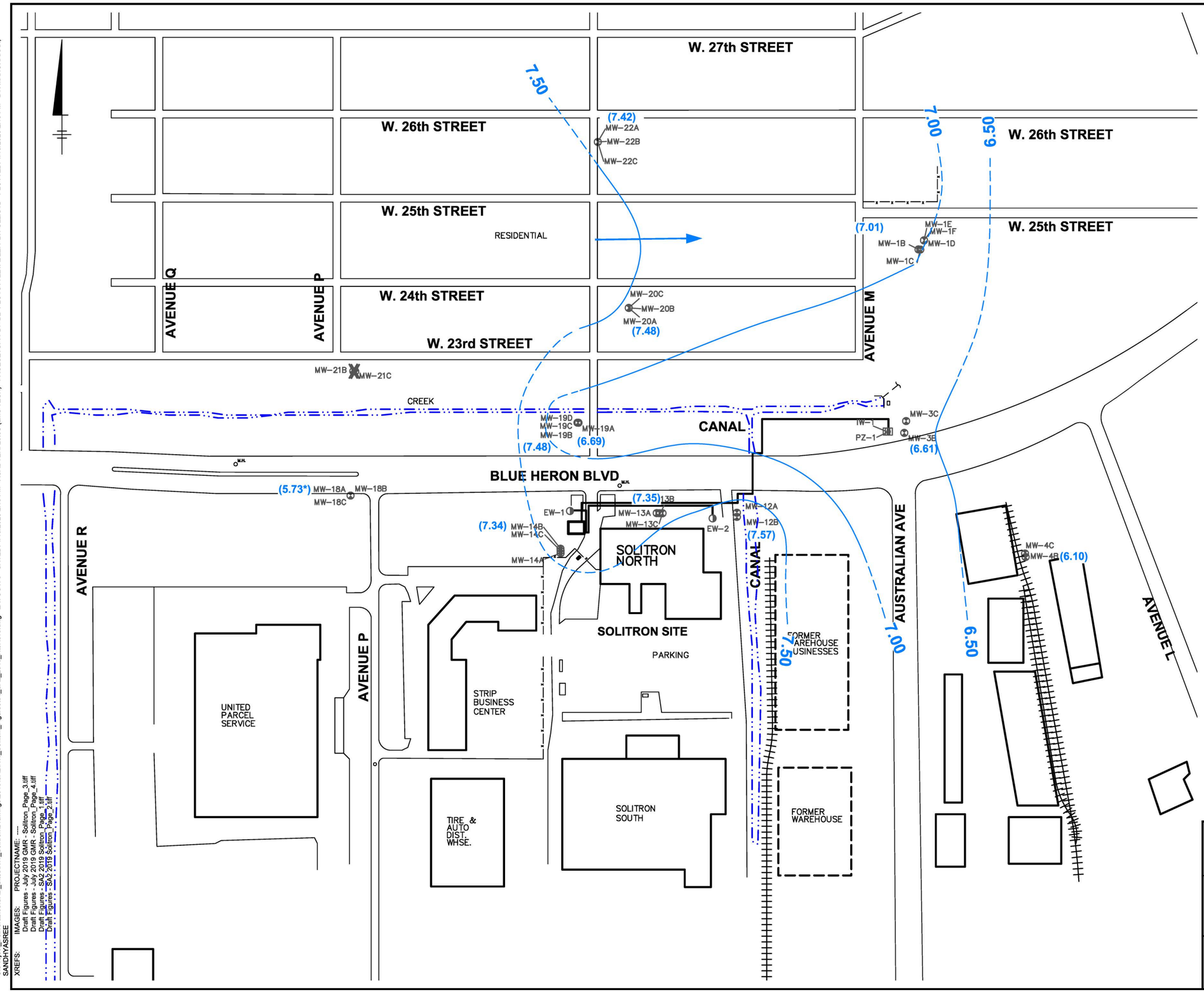

LEGEND

- MONITORING WELL
- DESTROYED MONITORING WELL
- (6.10) GROUNDWATER ELEVATION (ft amsl)
- 6.50 GROUNDWATER CONTOUR (ft amsl)
- DASHED WHERE INFERRED
- GROUNDWATER FLOW DIRECTION

ft amsl feet above mean sea level

*– NOT USED IN CONTOURING

0 300' 600'

GRAPHIC SCALE

SOLITRON DEVICES, INC.

SEMI-ANNUAL GROUNDWATER MONITORING REPORT

GROUNDWATER ELEVATION CONTOURS 50-150 FT BLS - NOVEMBER 18, 2019

ARCADIS

FIGURE 3

CITY:TAMPA DIV/GROUP:85 DB:JAR LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
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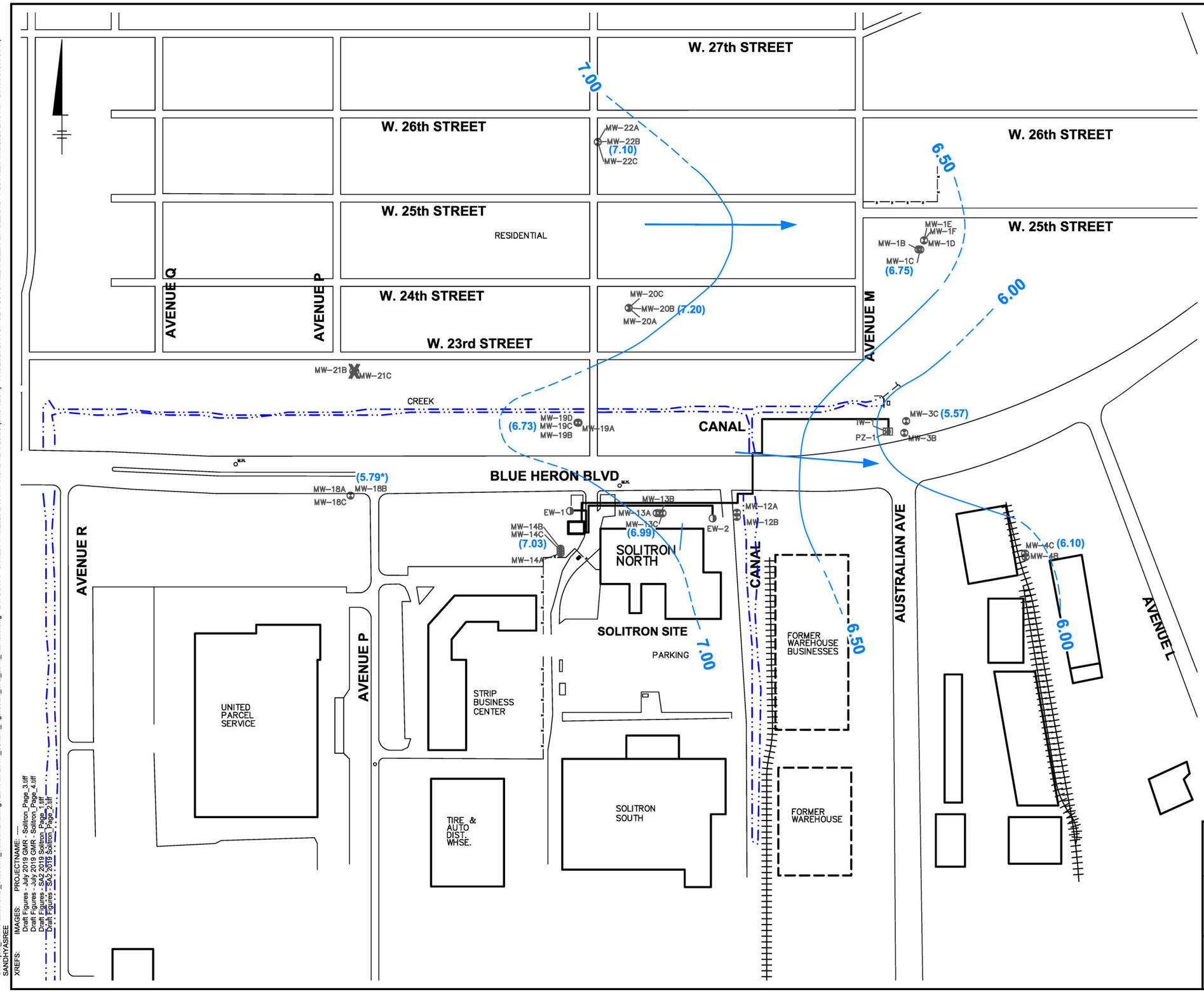

LEGEND

- MONITORING WELL
- DESTROYED MONITORING WELL
- (6.75) GROUNDWATER ELEVATION (ft amsl)
- 5.00 GROUNDWATER CONTOUR (ft amsl)
- DASHED WHERE INFERRED
- GROUNDWATER FLOW DIRECTION

ft amsl feet above mean sea level

*– NOT USED IN CONTOURING

0 300' 600'

GRAPHIC SCALE

SOLITRON DEVICES, INC.

SEMI-ANNUAL GROUNDWATER MONITORING REPORT

GROUNDWATER ELEVATION CONTOURS 150-200 FT BLS - NOVEMBER 18, 2019

ARCADIS

FIGURE **4**

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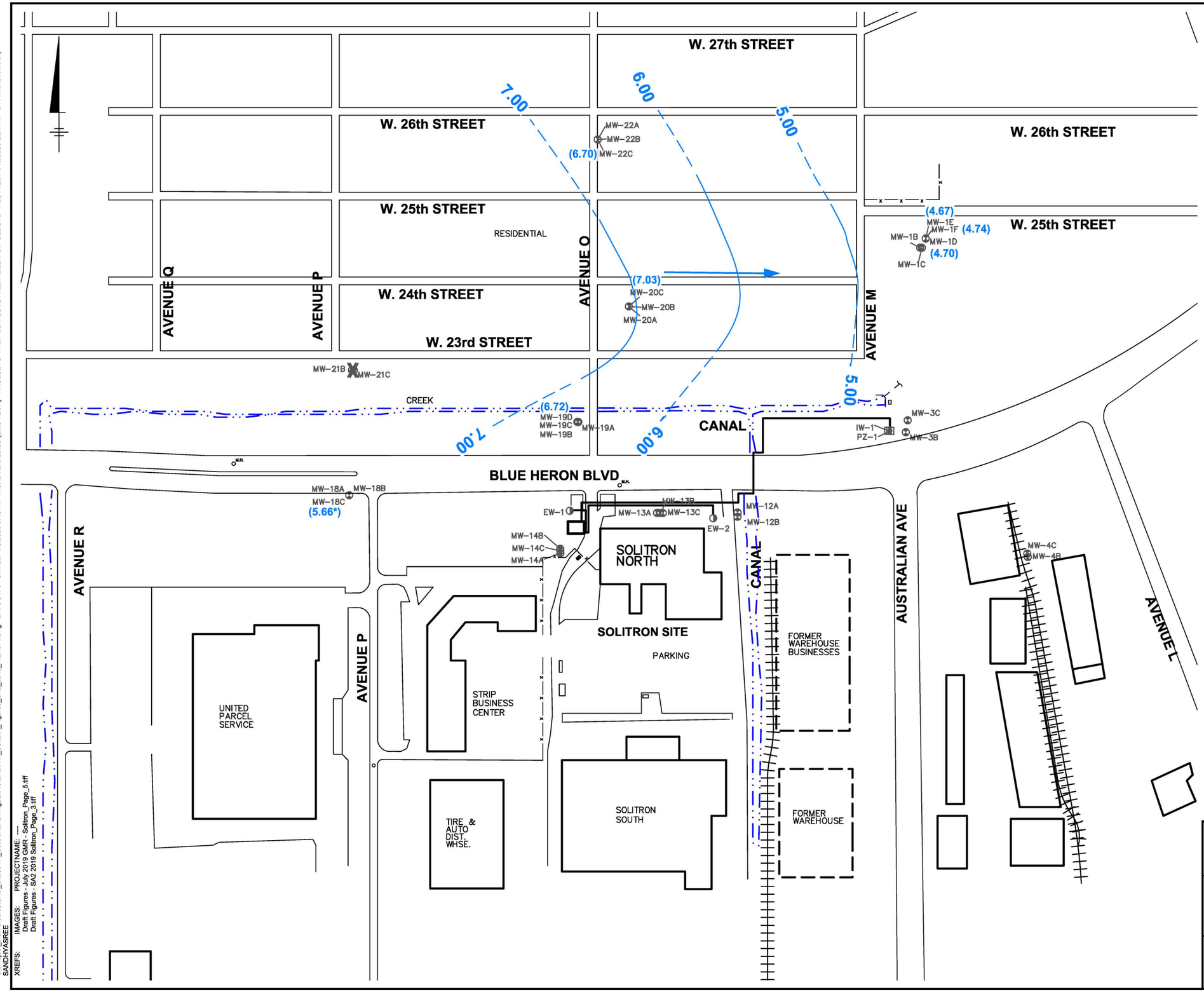

SOLITRON DEVICES, INC.

SEMI-ANNUAL GROUNDWATER MONITORING REPORT

GROUNDWATER ELEVATION CONTOURS >200 FT BLS - NOVEMBER 18, 2019

ARCADIS

FIGURE 5

CITY:TAMPA DIV/GROUP:85 DB:JAR LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
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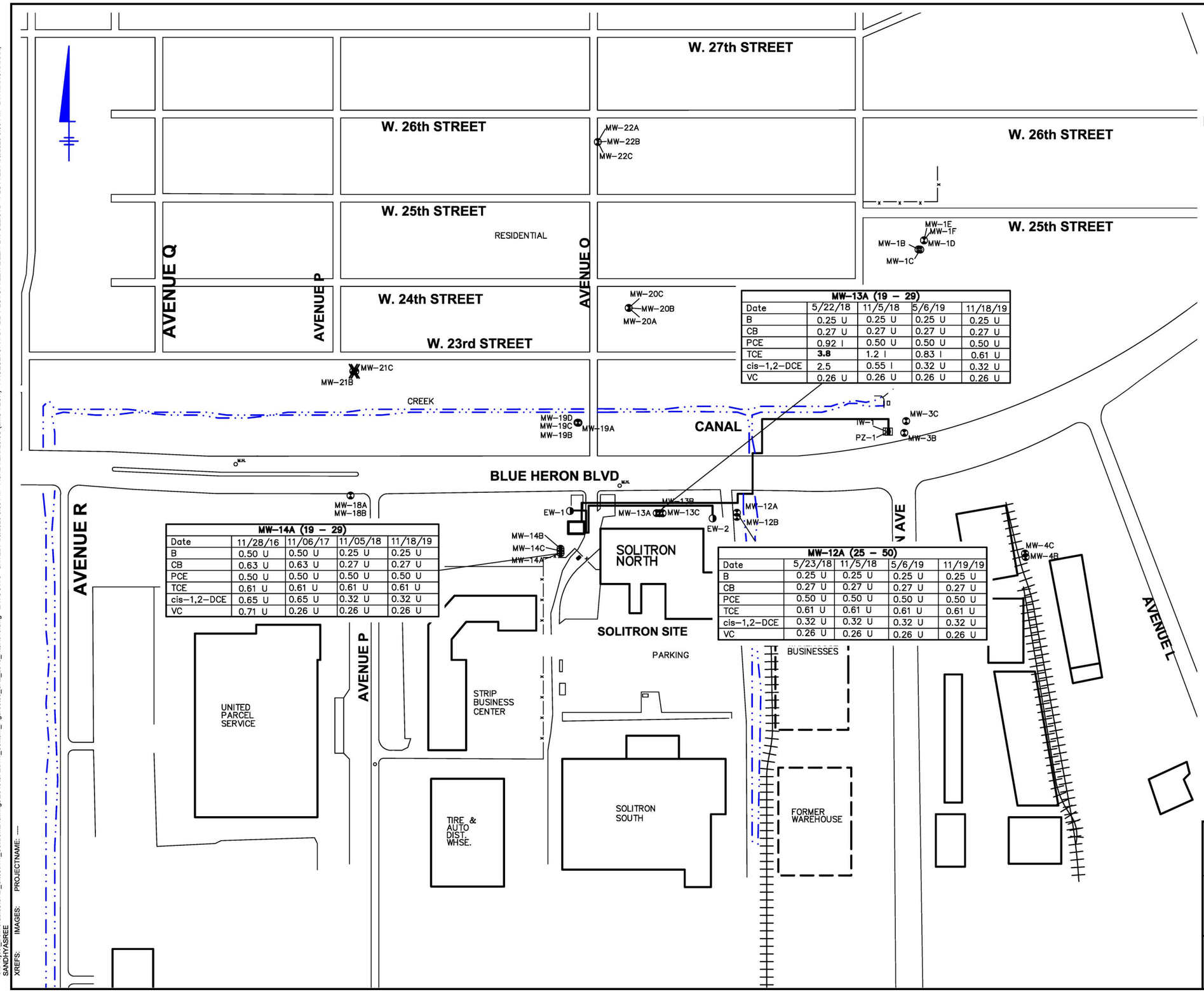

MW-13A (19 – 29)				
Date	5/22/18	11/5/18	5/6/19	11/18/19
B	0.25 U	0.25 U	0.25 U	0.25 U
CB	0.27 U	0.27 U	0.27 U	0.27 U
PCE	0.92 I	0.50 U	0.50 U	0.50 U
TCE	**3.8**	1.2 I	0.83 I	0.61 U
cis–1,2–DCE	2.5	0.55 I	0.32 U	0.32 U
VC	0.26 U	0.26 U	0.26 U	0.26 U

MW-14A (19 – 29)				
Date	11/28/16	11/06/17	11/05/18	11/18/19
B	0.50 U	0.50 U	0.25 U	0.25 U
CB	0.63 U	0.63 U	0.27 U	0.27 U
PCE	0.50 U	0.50 U	0.50 U	0.50 U
TCE	0.61 U	0.61 U	0.61 U	0.61 U
cis–1,2–DCE	0.65 U	0.65 U	0.32 U	0.32 U
VC	0.71 U	0.26 U	0.26 U	0.26 U

MW-12A (25 – 50)				
Date	5/23/18	11/5/18	5/6/19	11/19/19
B	0.25 U	0.25 U	0.25 U	0.25 U
CB	0.27 U	0.27 U	0.27 U	0.27 U
PCE	0.50 U	0.50 U	0.50 U	0.50 U
TCE	0.61 U	0.61 U	0.61 U	0.61 U
cis–1,2–DCE	0.32 U	0.32 U	0.32 U	0.32 U
VC	0.26 U	0.26 U	0.26 U	0.26 U

Results are reported in micrograms per liter (mg/L)

FDEP GCTL Florida Department of Environmental Production Groundwater Cleanup Target Level

U Indicates that the compound was analyzed for but not detected

I The report value is between the Laboratory Method Detection Limit (MDL) and the Laboratory Practical Quantitation Limit (PQL)

3.8 Bold Value indicates the concentration exceeds the FDEP GCTL listed in Table 1 of chapter 62–777 F.A.C

NADC Natural Attenuation Default Concentration

ft bls feet below land surface

LEGEND

MONITORING WELL

DESTROYED MONITORING WELL

LOCATION ID [SCREEN INTERVAL (ft–BLS)]			
GROUNDWATER QUALITY CRITERIA			
ABBREVIATION	PARAMETER	GCTL / MCL	NADC
B	Benzene	1	100
CB	Chlorobenzene	100	1,000
PCE	Tetrachloroethene	3	300
TCE	Trichloroethene	3	300
cis–1,2–DCE	cis–1,2–Dichloroethene	70	700
VC	Vinyl Chloride	1	100

0 300' 600'

GRAPHIC SCALE

SOLITRON DEVICES, INC.

SEMI-ANNUAL GROUNDWATER MONITORING REPORT

CONSTITUENTS OF CONCERN ISOCONCENTRATIONS MAP <50 FT BLS - NOVEMBER 2019

ARCADIS

FIGURE **6**

CITY:TAMPA DIV/GROUP:85 DB:JAR LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
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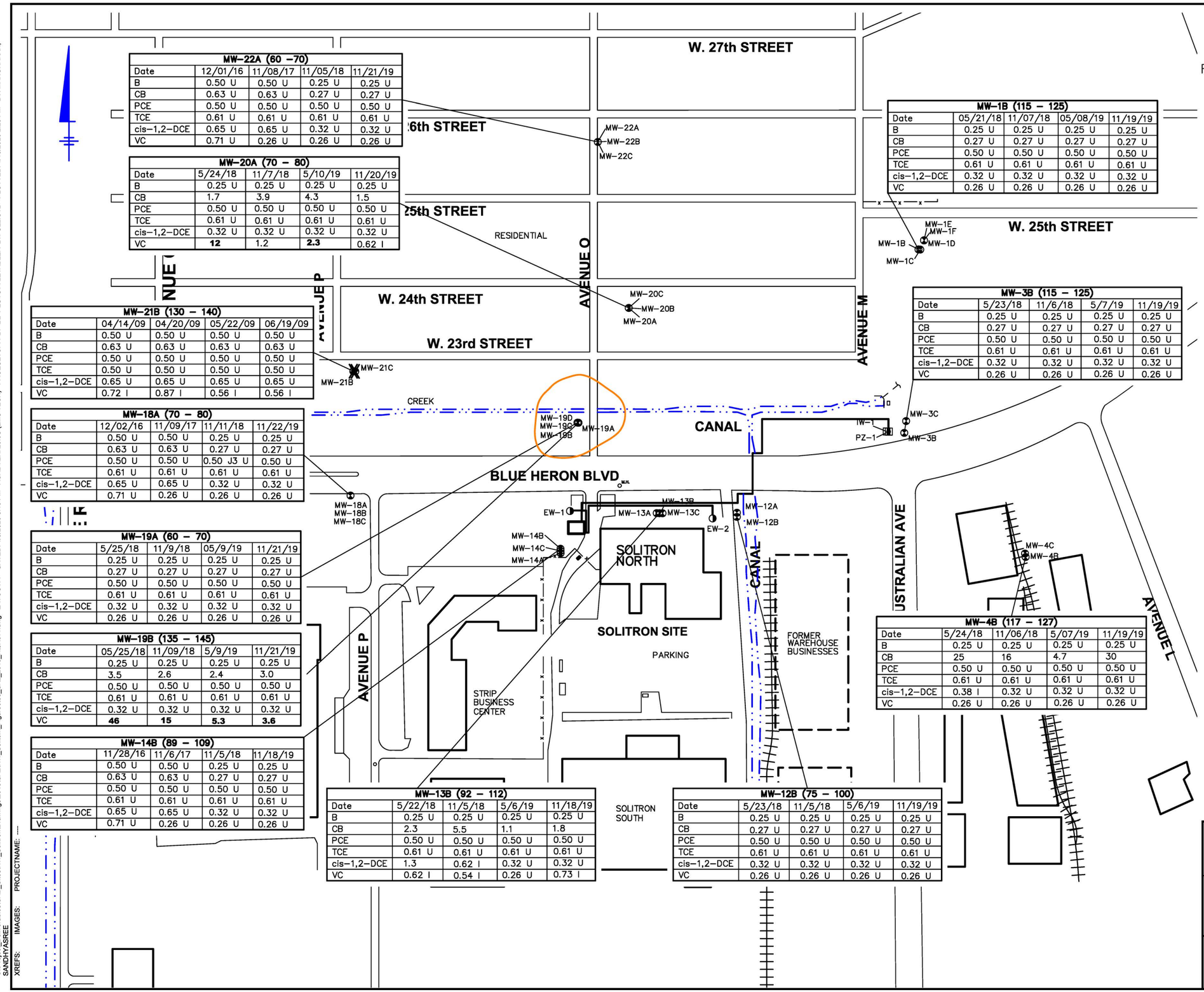

MW-22A (60 –70)				
Date	12/01/16	11/08/17	11/05/18	11/21/19
B	0.50 U	0.50 U	0.25 U	0.25 U
CB	0.63 U	0.63 U	0.27 U	0.27 U
PCE	0.50 U	0.50 U	0.50 U	0.50 U
TCE	0.61 U	0.61 U	0.61 U	0.61 U
cis–1,2–DCE	0.65 U	0.65 U	0.32 U	0.32 U
VC	0.71 U	0.26 U	0.26 U	0.26 U

MW–20A (70 – 80)				
Date	5/24/18	11/7/18	5/10/19	11/20/19
B	0.25 U	0.25 U	0.25 U	0.25 U
CB	1.7	3.9	4.3	1.5
PCE	0.50 U	0.50 U	0.50 U	0.50 U
TCE	0.61 U	0.61 U	0.61 U	0.61 U
cis–1,2–DCE	0.32 U	0.32 U	0.32 U	0.32 U
VC	**12**	1.2	**2.3**	0.62 I

MW–21B (130 – 140)				
Date	04/14/09	04/20/09	05/22/09	06/19/09
B	0.50 U	0.50 U	0.50 U	0.50 U
CB	0.63 U	0.63 U	0.63 U	0.63 U
PCE	0.50 U	0.50 U	0.50 U	0.50 U
TCE	0.50 U	0.50 U	0.50 U	0.50 U
cis–1,2–DCE	0.65 U	0.65 U	0.65 U	0.65 U
VC	0.72 I	0.87 I	0.56 I	0.56 I

MW–18A (70 – 80)				
Date	12/02/16	11/09/17	11/11/18	11/22/19
B	0.50 U	0.50 U	0.25 U	0.25 U
CB	0.63 U	0.63 U	0.27 U	0.27 U
PCE	0.50 U	0.50 U	0.50 J3 U	0.50 U
TCE	0.61 U	0.61 U	0.61 U	0.61 U
cis–1,2–DCE	0.65 U	0.65 U	0.32 U	0.32 U
VC	0.71 U	0.26 U	0.26 U	0.26 U

MW–19A (60 – 70)				
Date	5/25/18	11/9/18	05/9/19	11/21/19
B	0.25 U	0.25 U	0.25 U	0.25 U
CB	0.27 U	0.27 U	0.27 U	0.27 U
PCE	0.50 U	0.50 U	0.50 U	0.50 U
TCE	0.61 U	0.61 U	0.61 U	0.61 U
cis–1,2–DCE	0.32 U	0.32 U	0.32 U	0.32 U
VC	0.26 U	0.26 U	0.26 U	0.26 U

MW–19B (135 – 145)				
Date	05/25/18	11/09/18	5/9/19	11/21/19
B	0.25 U	0.25 U	0.25 U	0.25 U
CB	3.5	2.6	2.4	3.0
PCE	0.50 U	0.50 U	0.50 U	0.50 U
TCE	0.61 U	0.61 U	0.61 U	0.61 U
cis–1,2–DCE	0.32 U	0.32 U	0.32 U	0.32 U
VC	**46**	**15**	**5.3**	**3.6**

MW–14B (89 – 109)				
Date	11/28/16	11/6/17	11/5/18	11/18/19
B	0.50 U	0.50 U	0.25 U	0.25 U
CB	0.63 U	0.63 U	0.27 U	0.27 U
PCE	0.50 U	0.50 U	0.50 U	0.50 U
TCE	0.61 U	0.61 U	0.61 U	0.61 U
cis–1,2–DCE	0.65 U	0.65 U	0.32 U	0.32 U
VC	0.71 U	0.26 U	0.26 U	0.26 U

MW–13B (92 – 112)				
Date	5/22/18	11/5/18	5/6/19	11/18/19
B	0.25 U	0.25 U	0.25 U	0.25 U
CB	2.3	5.5	1.1	1.8
PCE	0.50 U	0.50 U	0.50 U	0.50 U
TCE	0.61 U	0.61 U	0.61 U	0.61 U
cis–1,2–DCE	1.3	0.62 I	0.32 U	0.32 U
VC	0.62 I	0.54 I	0.26 U	0.73 I

MW–12B (75 – 100)				
Date	5/23/18	11/5/18	5/6/19	11/19/19
B	0.25 U	0.25 U	0.25 U	0.25 U
CB	0.27 U	0.27 U	0.27 U	0.27 U
PCE	0.50 U	0.50 U	0.50 U	0.50 U
TCE	0.61 U	0.61 U	0.61 U	0.61 U
cis–1,2–DCE	0.32 U	0.32 U	0.32 U	0.32 U
VC	0.26 U	0.26 U	0.26 U	0.26 U

MW–1B (115 – 125)				
Date	05/21/18	11/07/18	05/08/19	11/19/19
B	0.25 U	0.25 U	0.25 U	0.25 U
CB	0.27 U	0.27 U	0.27 U	0.27 U
PCE	0.50 U	0.50 U	0.50 U	0.50 U
TCE	0.61 U	0.61 U	0.61 U	0.61 U
cis–1,2–DCE	0.32 U	0.32 U	0.32 U	0.32 U
VC	0.26 U	0.26 U	0.26 U	0.26 U

MW–3B (115 – 125)				
Date	5/23/18	11/6/18	5/7/19	11/19/19
B	0.25 U	0.25 U	0.25 U	0.25 U
CB	0.27 U	0.27 U	0.27 U	0.27 U
PCE	0.50 U	0.50 U	0.50 U	0.50 U
TCE	0.61 U	0.61 U	0.61 U	0.61 U
cis–1,2–DCE	0.32 U	0.32 U	0.32 U	0.32 U
VC	0.26 U	0.26 U	0.26 U	0.26 U

MW–4B (117 – 127)				
Date	5/24/18	11/06/18	5/07/19	11/19/19
B	0.25 U	0.25 U	0.25 U	0.25 U
CB	25	16	4.7	30
PCE	0.50 U	0.50 U	0.50 U	0.50 U
TCE	0.61 U	0.61 U	0.61 U	0.61 U
cis–1,2–DCE	0.38 I	0.32 U	0.32 U	0.32 U
VC	0.26 U	0.26 U	0.26 U	0.26 U

Results are reported in micrograms per liter (µg/L)

FDEP GCTL Florida Department of Environmental Protection Groundwater Cleanup Target Level

U Indicates that the compound was analyzed for but not detected

I The report value is between the Laboratory Method Detection Limit (MDL) and the Laboratory Practical Quantitation Limit (PQL)

46 Bold Value indicates the concentration exceeds the FDEP GCTL listed in Table 1 of chapter 62–777 F.A.C

NADC Natural Attenuation Default Concentration

ft bls feet below land surface

190 Shading and bold indicates exceedance of Natural Attenuation Default Concentration (NADC)

LEGEND

MONITORING WELL

DESTROYED MONITORING WELL

LOCATION ID [SCREEN INTERVAL (ft–BLS)]			
GROUNDWATER QUALITY CRITERIA			
ABBREVIATION	PARAMETER	GCTL / MCL	NADC
B	Benzene	1	100
CB	Chlorobenzene	100	1,000
PCE	Tetrachloroethene	3	300
TCE	Trichloroethene	3	300
cis–1,2–DCE	cis–1,2–Dichloroethene	70	700
VC	Vinyl Chloride	1	100

VINYL CHLORIDE FDEP GCTL CONTOUR

SOLITRON DEVICES, INC.

SEMI-ANNUAL GROUNDWATER MONITORING REPORT

CONSTITUENTS OF CONCERN ISOCONCENTRATIONS MAP 50-150 FT BLS - NOVEMBER 2019

ARCADIS

FIGURE **7**

CITY:TAMPA DIV/GROUP:85 DB:JAR LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
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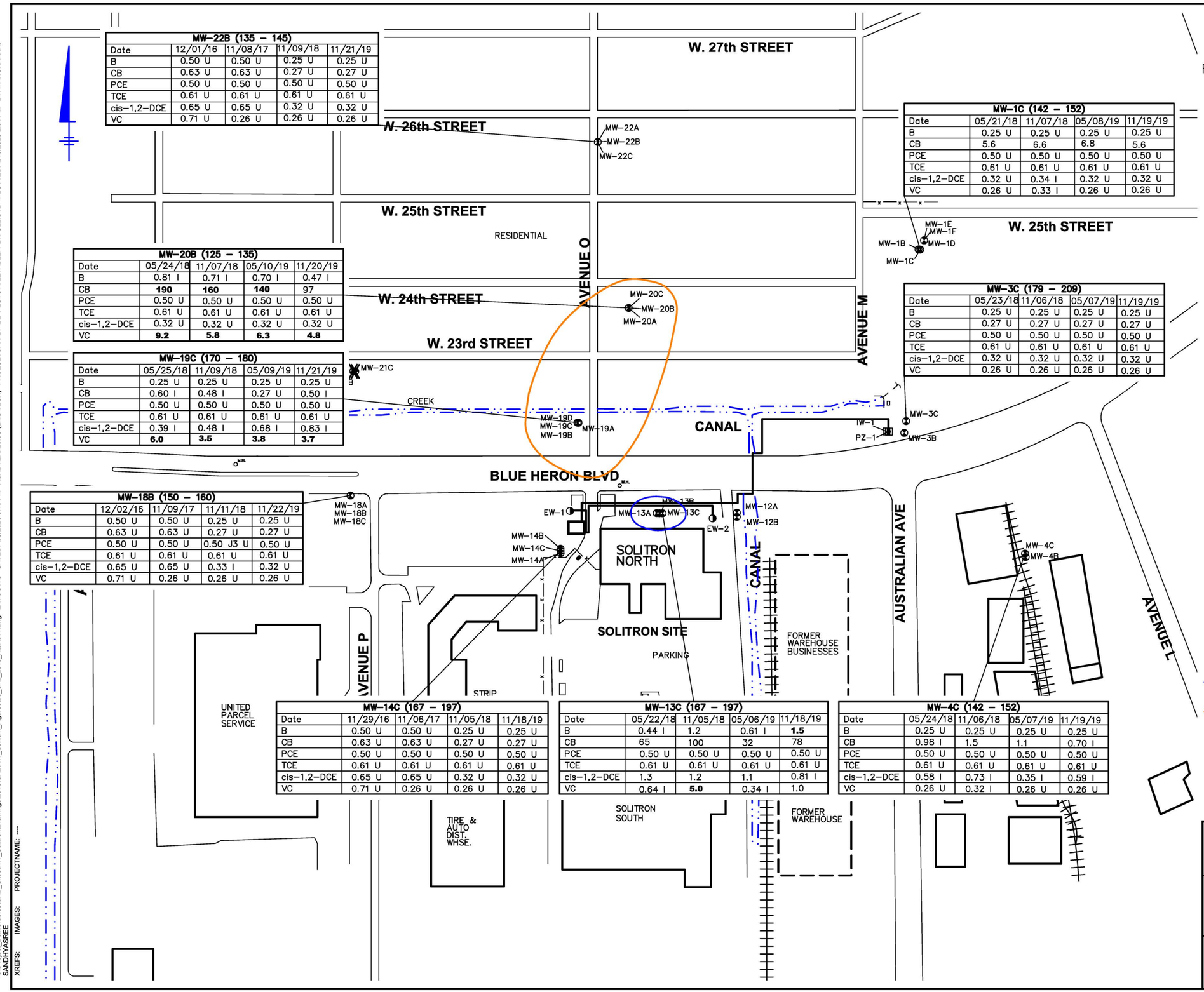
XREFS: IMAGES: PROJECTNAME: ----



MW-22B (135 – 145)				
Date	12/01/16	11/08/17	11/09/18	11/21/19
B	0.50 U	0.50 U	0.25 U	0.25 U
CB	0.63 U	0.63 U	0.27 U	0.27 U
PCE	0.50 U	0.50 U	0.50 U	0.50 U
TCE	0.61 U	0.61 U	0.61 U	0.61 U
cis–1,2–DCE	0.65 U	0.65 U	0.32 U	0.32 U
VC	0.71 U	0.26 U	0.26 U	0.26 U

MW–1C (142 – 152)				
Date	05/21/18	11/07/18	05/08/19	11/19/19
B	0.25 U	0.25 U	0.25 U	0.25 U
CB	5.6	6.6	6.8	5.6
PCE	0.50 U	0.50 U	0.50 U	0.50 U
TCE	0.61 U	0.61 U	0.61 U	0.61 U
cis–1,2–DCE	0.32 U	0.34 I	0.32 U	0.32 U
VC	0.26 U	0.33 I	0.26 U	0.26 U

MW–20B (125 – 135)				
Date	05/24/18	11/07/18	05/10/19	11/20/19
B	0.81 I	0.71 I	0.70 I	0.47 I
CB	**190**	**160**	**140**	97
PCE	0.50 U	0.50 U	0.50 U	0.50 U
TCE	0.61 U	0.61 U	0.61 U	0.61 U
cis–1,2–DCE	0.32 U	0.32 U	0.32 U	0.32 U
VC	**9.2**	**5.8**	**6.3**	**4.8**

MW–3C (179 – 209)				
Date	05/23/18	11/06/18	05/07/19	11/19/19
B	0.25 U	0.25 U	0.25 U	0.25 U
CB	0.27 U	0.27 U	0.27 U	0.27 U
PCE	0.50 U	0.50 U	0.50 U	0.50 U
TCE	0.61 U	0.61 U	0.61 U	0.61 U
cis–1,2–DCE	0.32 U	0.32 U	0.32 U	0.32 U
VC	0.26 U	0.26 U	0.26 U	0.26 U

MW–19C (170 – 180)				
Date	05/25/18	11/09/18	05/09/19	11/21/19
B	0.25 U	0.25 U	0.25 U	0.25 U
CB	0.60 I	0.48 I	0.27 U	0.50 I
PCE	0.50 U	0.50 U	0.50 U	0.50 U
TCE	0.61 U	0.61 U	0.61 U	0.61 U
cis–1,2–DCE	0.39 I	0.48 I	0.68 I	0.83 I
VC	**6.0**	**3.5**	**3.8**	**3.7**

MW–18B (150 – 160)				
Date	12/02/16	11/09/17	11/11/18	11/22/19
B	0.50 U	0.50 U	0.25 U	0.25 U
CB	0.63 U	0.63 U	0.27 U	0.27 U
PCE	0.50 U	0.50 U	0.50 J3 U	0.50 U
TCE	0.61 U	0.61 U	0.61 U	0.61 U
cis–1,2–DCE	0.65 U	0.65 U	0.33 I	0.32 U
VC	0.71 U	0.26 U	0.26 U	0.26 U

MW–14C (167 – 197)				
Date	11/29/16	11/06/17	11/05/18	11/18/19
B	0.50 U	0.50 U	0.25 U	0.25 U
CB	0.63 U	0.63 U	0.27 U	0.27 U
PCE	0.50 U	0.50 U	0.50 U	0.50 U
TCE	0.61 U	0.61 U	0.61 U	0.61 U
cis–1,2–DCE	0.65 U	0.65 U	0.32 U	0.32 U
VC	0.71 U	0.26 U	0.26 U	0.26 U

MW–13C (167 – 197)				
Date	05/22/18	11/05/18	05/06/19	11/18/19
B	0.44 I	1.2	0.61 I	**1.5**
CB	65	100	32	78
PCE	0.50 U	0.50 U	0.50 U	0.50 U
TCE	0.61 U	0.61 U	0.61 U	0.61 U
cis–1,2–DCE	1.3	1.2	1.1	0.81 I
VC	0.64 I	**5.0**	0.34 I	1.0

MW–4C (142 – 152)				
Date	05/24/18	11/06/18	05/07/19	11/19/19
B	0.25 U	0.25 U	0.25 U	0.25 U
CB	0.98 I	1.5	1.1	0.70 I
PCE	0.50 U	0.50 U	0.50 U	0.50 U
TCE	0.61 U	0.61 U	0.61 U	0.61 U
cis–1,2–DCE	0.58 I	0.73 I	0.35 I	0.59 I
VC	0.26 U	0.32 I	0.26 U	0.26 U

Results are reported in micrograms per liter (mg/L)

FDEP GCTL Florida Department of Environmental Production Groundwater Cleanup Target Level

U Indicates that the compound was analyzed for but not detected

I The report value is between the Laboratory Method Detection Limit (MDL) and the Laboratory Practical Quantitation Limit (PQL)

190 Bold Value indicates the concentration exceeds the FDEP GCTL listed in Table 1 of chapter 62–777 F.A.C

NADC Natural Attenuation Default Concentration

ft bls feet below land surface

150 Shading and bold indicates exceedance of Natural Attenuation Default Concentration (NADC)

LEGEND

MONITORING WELL

DESTROYED MONITORING WELL

LOCATION ID [SCREEN INTERVAL (ft–BLS)]			
GROUNDWATER QUALITY CRITERIA			
ABBREVIATION	PARAMETER	GCTL / MCL	NADC
B	Benzene	1	100
CB	Chlorobenzene	100	1,000
PCE	Tetrachloroethene	3	300
TCE	Trichloroethene	3	300
cis–1,2–DCE	cis–1,2–Dichloroethene	70	700
VC	Vinyl Chloride	1	100

BENZENE FDED GCTL CONTOUR

VINYL CHLORIDE FDED GCTL CONTOUR

0 300' 600'

GRAPHIC SCALE

SOLITRON DEVICES, INC.

SEMI-ANNUAL GROUNDWATER MONITORING REPORT

CONSTITUENTS OF CONCERN ISOCONCENTRATIONS MAP 150-200 FT BLS - NOVEMBER 2019

ARCADIS

FIGURE 8

CITY:TAMPA DIV/GROUP:85 DB:JAR LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
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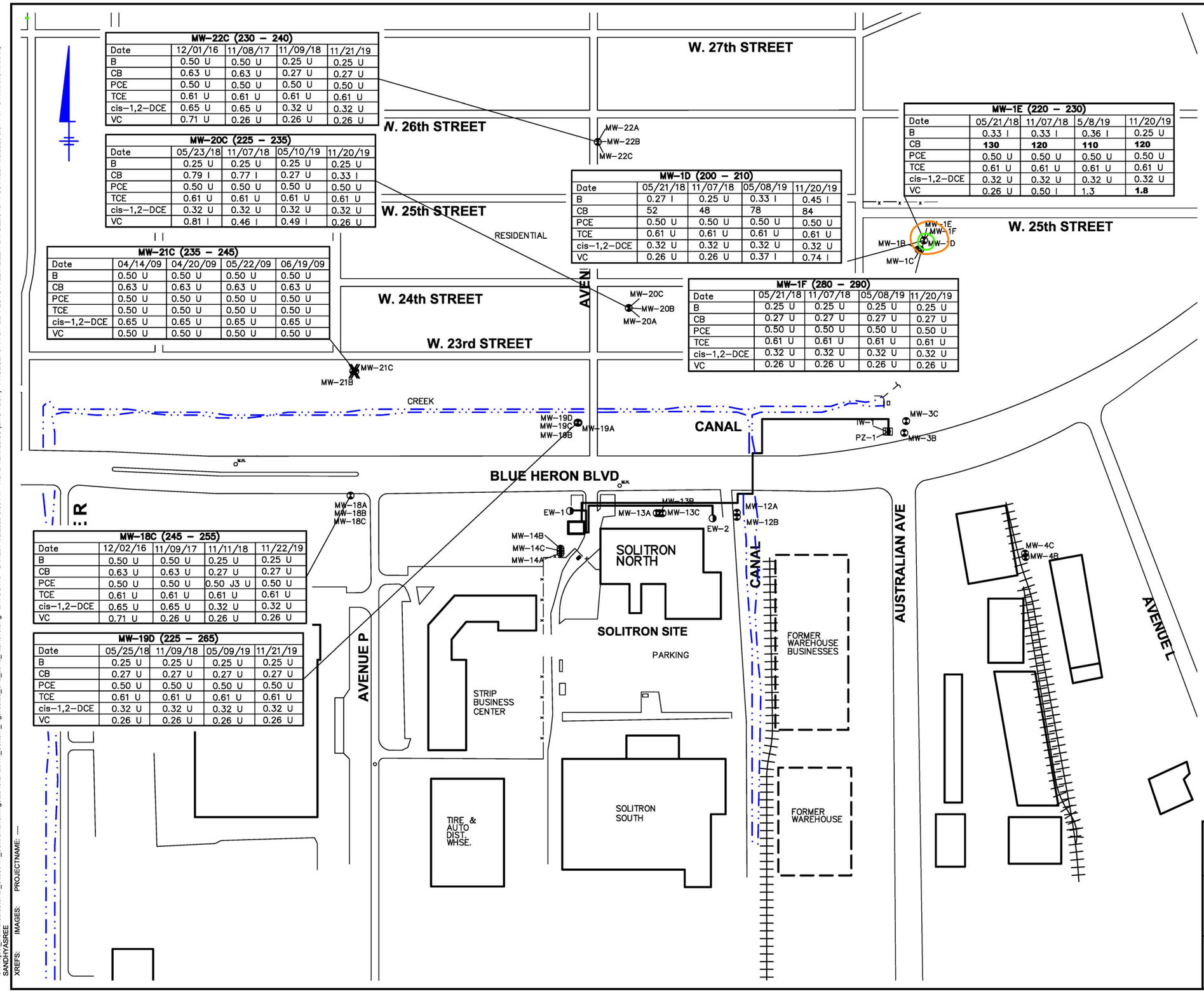
XREFS: IMAGES: PROJECTNAME: ----



MW-22C (230 – 240)				
Date	12/01/16	11/08/17	11/09/18	11/21/19
B	0.50 U	0.50 U	0.25 U	0.25 U
CB	0.63 U	0.63 U	0.27 U	0.27 U
PCE	0.50 U	0.50 U	0.50 U	0.50 U
TCE	0.61 U	0.61 U	0.61 U	0.61 U
cis–1,2–DCE	0.65 U	0.65 U	0.32 U	0.32 U
VC	0.71 U	0.26 U	0.26 U	0.26 U

MW–20C (225 – 235)				
Date	05/23/18	11/07/18	05/10/19	11/20/19
B	0.25 U	0.25 U	0.25 U	0.25 U
CB	0.79 I	0.77 I	0.27 U	0.33 I
PCE	0.50 U	0.50 U	0.50 U	0.50 U
TCE	0.61 U	0.61 U	0.61 U	0.61 U
cis–1,2–DCE	0.32 U	0.32 U	0.32 U	0.32 U
VC	0.81 I	0.46 I	0.49 I	0.26 U

MW–21C (235 – 245)				
Date	04/14/09	04/20/09	05/22/09	06/19/09
B	0.50 U	0.50 U	0.50 U	0.50 U
CB	0.63 U	0.63 U	0.63 U	0.63 U
PCE	0.50 U	0.50 U	0.50 U	0.50 U
TCE	0.50 U	0.50 U	0.50 U	0.50 U
cis–1,2–DCE	0.65 U	0.65 U	0.65 U	0.65 U
VC	0.50 U	0.50 U	0.50 U	0.50 U

MW–18C (245 – 255)				
Date	12/02/16	11/09/17	11/11/18	11/22/19
B	0.50 U	0.50 U	0.25 U	0.25 U
CB	0.63 U	0.63 U	0.27 U	0.27 U
PCE	0.50 U	0.50 U	0.50 J3 U	0.50 U
TCE	0.61 U	0.61 U	0.61 U	0.61 U
cis–1,2–DCE	0.65 U	0.65 U	0.32 U	0.32 U
VC	0.71 U	0.26 U	0.26 U	0.26 U

MW–19D (225 – 265)				
Date	05/25/18	11/09/18	05/09/19	11/21/19
B	0.25 U	0.25 U	0.25 U	0.25 U
CB	0.27 U	0.27 U	0.27 U	0.27 U
PCE	0.50 U	0.50 U	0.50 U	0.50 U
TCE	0.61 U	0.61 U	0.61 U	0.61 U
cis–1,2–DCE	0.32 U	0.32 U	0.32 U	0.32 U
VC	0.26 U	0.26 U	0.26 U	0.26 U

MW–1D (200 – 210)				
Date	05/21/18	11/07/18	05/08/19	11/20/19
B	0.27 I	0.25 U	0.33 I	0.45 I
CB	52	48	78	84
PCE	0.50 U	0.50 U	0.50 U	0.50 U
TCE	0.61 U	0.61 U	0.61 U	0.61 U
cis–1,2–DCE	0.32 U	0.32 U	0.32 U	0.32 U
VC	0.26 U	0.26 U	0.37 I	0.74 I

MW–1E (220 – 230)				
Date	05/21/18	11/07/18	5/8/19	11/20/19
B	0.33 I	0.33 I	0.36 I	0.25 U
CB	**130**	**120**	**110**	**120**
PCE	0.50 U	0.50 U	0.50 U	0.50 U
TCE	0.61 U	0.61 U	0.61 U	0.61 U
cis–1,2–DCE	0.32 U	0.32 U	0.32 U	0.32 U
VC	0.26 U	0.50 I	1.3	**1.8**

MW–1F (280 – 290)				
Date	05/21/18	11/07/18	05/08/19	11/20/19
B	0.25 U	0.25 U	0.25 U	0.25 U
CB	0.27 U	0.27 U	0.27 U	0.27 U
PCE	0.50 U	0.50 U	0.50 U	0.50 U
TCE	0.61 U	0.61 U	0.61 U	0.61 U
cis–1,2–DCE	0.32 U	0.32 U	0.32 U	0.32 U
VC	0.26 U	0.26 U	0.26 U	0.26 U

Results are reported in micrograms per liter (µg/L)

FDEP GCTL Florida Department of Environmental Protection Groundwater Cleanup Target Level

U Indicates that the compound was analyzed for but not detected

I The report value is between the Laboratory Method Detection Limit (MDL) and the Laboratory Practical Quantitation Limit (PQL)

130 Bold Value indicates the concentration exceeds the FDEP GCTL listed in Table 1 of chapter 62–777 F.A.C

NADC Natural Attenuation Default Concentration

ft bls feet below land surface

LEGEND

MONITORING WELL

DESTROYED MONITORING WELL

LOCATION ID [SCREEN INTERVAL (ft–BLS)]			
GROUNDWATER QUALITY CRITERIA			
ABBREVIATION	PARAMETER	GCTL / MCL	NADC
B	Benzene	1	100
CB	Chlorobenzene	100	1,000
PCE	Tetrachloroethene	3	300
TCE	Trichloroethene	3	300
cis–1,2–DCE	cis–1,2–Dichloroethene	70	700
VC	Vinyl Chloride	1	100

CHLOROBENZENE FDEP GCTL CONTOUR

VINYL CHLORIDE FDEP GCTL CONTOUR

0 300' 600'

GRAPHIC SCALE

SOLITRON DEVICES, INC.

SEMI-ANNUAL GROUNDWATER MONITORING REPORT

CONSTITUENTS OF CONCERN ISOCONCENTRATIONS MAP >200 FT BLS - NOVEMBER 2019

ARCADIS

FIGURE **9**

CITY:TAMPA DIV/GROUP:85 DB:JAR LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
C:\Project_Deliverables\CAD_Sites\HW_Solitron\Drawings\2019\SA2\HW_Solitorn_Figure6to9_SA2_2019_HisRev0.dwg LAYOUT: 9 SAVED: 1/9/2020 5:03 PM ACADVER: 20.0S (LMS TECH) PAGESETUP: PDF-BL PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 1/9/2020 5:07 PM BY: MANOHARAN, SANDHYASREE
XREFS: IMAGES: PROJECTNAME: ----

APPENDICES

APPENDIX A

Field Documentation

DEPTH TO WATER MEASUREMENT SHEET

Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

2008 Survey		Screen Interval		Date	DTW	Comments
Well ID	TOC Elev.	Top	Bottom			
MW-1B	29.70	115	125	11-18-19	22.69'	
MW-1C	29.88	142	152		23.13'	
MW-1D	28.54	200	210		23.84'	
MW-1E	28.57	220	230		23.90'	
MW-1F	28.52	280	290		23.78'	
MW-3 B	20.92	115	125		14.31'	
MW-3 C	21.57	179	209		16.00'	
MW-4 B	17.35	117	127		10.33'	
MW-4 C	17.39	142	152		11.29'	
MW-12 A	16.10	25	50		8.58'	
MW-12 B	15.94	75	100		8.37'	
MW-13 A	16.69	19	29		9.13'	
MW-13 B	16.53	92	112		9.18'	
MW-13 C	16.51	167	197		9.52'	
MW-14 A	17.66	19	29		10.21'	
MW-14 B	17.57	89	109		10.23'	
MW-14 C	17.63	167	197		10.60'	
MW-18 A	17.06	70	80		11.33'	
MW-18 B	17.09	150	160		11.30'	
MW-18 C	17.01	245	255		11.35'	
MW-19 A	15.34	60	70		8.23'	
MW-19 B	15.49	135	145		8.80'	
MW-19 C	15.45	170	180		8.72'	
MW-19 D	15.41	225	265		8.69'	
MW-20 A	16.31	70	80		8.83'	
MW-20 B	16.37	125	135		9.17'	
MW-20 C	16.36	225	235		9.33'	
MW-21 B	16.82	130	140		NA	DESTROYED
MW-21 C	16.71	235	245		NA	↓
MW-22 A	16.73	60	70		9.31'	
MW-22 B	16.68	135	145		9.58'	
MW-22 C	16.72	230	240		10.02'	
EW-1	15.23	60	90		8.01'	
EW-2	14.47	60	90		9.17	
IW-1	13.64	200	275		NA	
PZ	16.46	3	13	↓	DRY	

Control Number: TSM-

TSM + project number plus date as follows: xxxxxxxx.xxxx.xxxxx - dd/mm/year

ARCADIS | Design & Consultancy for natural and built assets

TAILGATE HEALTH & SAFETY MEETING FORM

Project Name: Honeywell / Solitron			**Project Location:** Riviera Beach, FL
Date: 11/18/19	**Time:** 0700	**Conducted by:** Brian Fox	**Signature/Title:** B. Fox / Tech

Issues or concerns from previous day's activities:

NONE

Task anticipated to be performed today: D.T.W. GAUGING

☐ Additional permits/checklists attached G.W. Sampling.

USE TRACK! Evaluate the hazards (h) for the tasks being performed today and rank as Low (L), Medium (M) or High (H). Use relevant JSAs, FHSHB, permit or other work standard to communicate controls (c) to be used to eliminate or mitigate identified hazards.

☒ Gravity (i.e., ladder, scaffold, trips) (L M H)	☒ Motion (i.e., traffic, moving water) (L M H)	☒ Mechanical (i.e., augers, motors) (L M H)
h:	h:	h:
c:	c:	c:
☒ Electrical (i.e., utilities, lightning) (L M H)	☒ Pressure (i.e., gas cyl., wells) (L M H)	☒ Environment (i.e., heat, cold, ice) (L M H)
h:	h:	h:
c:	c:	c:
☒ Chemical (i.e., fuel, acid, paint) (L M H)	☒ Biological (i.e., ticks, poison ivy) (L M H)	☒ Radiation (i.e., alpha, sun, laser) (L M H)
h:	h:	h:
c:	c:	c:
☒ Sound (i.e., machinery) (L M H)	☒ Personal (i.e. alone, night) (L M H)	☒ Driving (i.e. car, ATV, boat, dozer) (L M H)
h:	h:	h:
c:	c:	c:

Comments:

☐ Refer to the attached Hazard Analysis Sheet(s) or JSA

Signature and Certification: I have read and understand the project specific HASP for this project.

Printed Name/Signature/Company	Sign In Time	Sign Out Time
Brian Fox / B. Fox / Arcadis	0700	1800

I will STOP the job any time anyone is concerned or uncertain about health & safety or if anyone identifies a hazard or additional mitigation not recorded in the site, project, job or task hazard assessment.

I will be alert to any changes in personnel, conditions at the work site or hazards not covered by the original hazard assessments.

If it is necessary to **STOP THE JOB,** I will perform **TRACK;** and then amend the hazard assessments or the HASP as needed.

I will not assist a subcontractor or other party with their work unless it is absolutely necessary and then only after I have done TRACK and I have thoroughly controlled the hazard.

All site staff should arrive fit for work. If not, they should report to the supervisor any restrictions or concerns.

In the event of an injury, employees will call **WorkCare at 1.888.449.7787** and then notify the field supervisor.

Utility strike, motor vehicle accident or 3rd party property damage - field supervisor will immediately notify the Project or Task Manager

ARCADIS

GROUNDWATER SAMPLING
Field Instrument Calibration Verification

PRE/POST

DATE: 11-18-19 **TIME:** 0925 | 1735 **PROJECT #:** Honeywell/Solitron

GW SAMPLE KIT #: 1 **CALIBRATION KIT #** 1

SIGNATURE: [illegible]

PARAMETER: pH **MODEL:** YSI 556

STD(Units)	IR (units)		AR(units)	Verify Calibration	
7.0	7.00	7.00	6.8 - 7.2	✓	✓
10.0	10.04	10.09	9.8 - 10.2	✓	✓
4.01	4.00	4.02	3.8 - 4.2	✓	✓

PARAMETER: Conductivity **MODEL:** YSI 556

STD(uS/cm)	IR(uS/cm)		AR(uS/cm)	Verify Calibration	
1413	1413	1414	+or- 5%	✓	✓
447	449	444	+or- 5%	✓	✓

PARAMETER: Turbidity **MODEL:** Lamotte 2020

STD(NTUs)	IR (NTUs)		AR(NTUs)	Verify Calibration	
0.0	0.01	0.07	-0.1 – 0.1	✓	✓
1.0	1.00	0.97	0.9 – 1.1	✓	✓
10.0	10.00	10.04	9.0 - 11.0	✓	✓

PARAMETER: ORP **MODEL:** YSI 556

STD(mV)	IR(mV)		AR(mV)	Verify Calibration	
240	241.1	240.0	+or- 5%	✓	✓

PARAMETER: Dissolved Oxygen **MODEL:** YSI 556

Temp(°C)		**STD(mg/L)		IR(mg/L)		AR(mg/L)	Verify Calibration	
24.3	28.7	8.371	7.732	8.37	7.73	+or- 5%	✓	✓

STD = Standard
IR = Instrument Response
Temp = Temperature
AR = Acceptable Range
**** = DEP-SOP-001/01 Table FS 2200-2**

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Solitron Devices Site	SITE LOCATION: Riviera Beach, Palm Beach County, Florida
WELL NO: MW-14A — SAMPLE ID: MW-14A (11182019)	DATE: 11 / 18 / 19

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 18.5 feet to 28.5 feet	STATIC DEPTH TO WATER (feet): 10.21'	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 if applicable)
= gallons + (0.0014 gallons/foot X 33.5' feet) + 0.25 gallons = 0.29 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 23.5'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 23.5'	PURGING INITIATED AT: 1009	PURGING ENDED AT: 1024	TOTAL VOLUME PURGED (gallons): 1.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
1018	0.90	0.90	0.10	10.32	6.40	26.79	152	0.40	3.10	NONE	NR	-27.5
1021	0.30	1.20	↓	10.32	6.36	26.82	150	0.30	2.84	↓	↓	-27.9
1024	0.30	1.50	↓	10.32	6.35	26.81	150	0.26	2.51	↓	↓	-29.3

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: Brian Fox /Arcadis	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1025	SAMPLING ENDED AT: 1028
PUMP OR TUBING DEPTH IN WELL (feet): 23.5'	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 (including wet ice)					
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)
MW-14A	3	CG	40ml	HCL	NA	NR	VOCs / USEPA 8260B	APP	~250
↓	3	AG	40ml	H_2SO_4	NA	NR	TOC / SM 5310C	↓	↓
	2	AG	40ml	BAK	NA	NR	CO2 / AM20GAX		
	3	CG	40ml	HCL	NA	NR	Methane, Ethane, Ethene / RSK-175		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density 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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Solitron Devices Site	SITE LOCATION: Riviera Beach, Palm Beach County, Florida
WELL NO: MW-14B / SAMPLE ID: MW-14B (11182019)	DATE: 11 / 18 / 19

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 88.5 feet to 108.5 feet	STATIC DEPTH TO WATER (feet): 10.23'	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)
= (108.5' feet – 10.23' feet) X 0.16 gallons/foot = 15.7 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): 98.5'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 98.5'	PURGING INITIATED AT: 1038	PURGING ENDED AT: 1224	TOTAL VOLUME PURGED (gallons): 24.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
1052	16.0	16.0	0.25	10.25	7.09	27.33	232	0.26	1.24	NONE	NR	-117.9
1208	4.0	20.0	↓	10.25	7.05	27.33	231	0.27	1.11	↓	↓	-125.4
1224	4.0	24.0	↓	10.25	7.11	27.31	230	0.26	1.36	↓	↓	-124.5

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: Brian Fox /Arcadis	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1225	SAMPLING ENDED AT: 1228
PUMP OR TUBING DEPTH IN WELL (feet): 98.5	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 (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-14B	3	CG	40 ml	HCL	NA	NR	VOCs / USEPA 8260B	APP	~250
↓	3	AG	40 ml	H_2SO_4	NA	NR	TOC / SM 5310C	↓	↓
↓	2	AG	40 ml	BAK	NA	NR	CO2 / AM20GAX	↓	↓
↓	3	CG	40 ml	HCL	NA	NR	Methane, Ethane, Ethene / RSK-175	↓	↓

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density 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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Solitron Devices Site	SITE LOCATION: Riviera Beach, Palm Beach County, Florida
WELL NO: MW-14C	SAMPLE ID: MW-14C (11182019)	DATE: 11 / 18 / 19

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 167 feet to 197 feet	STATIC DEPTH TO WATER (feet): 10.60'	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)
= (197.0' feet – 10.60' feet) X 0.16 gallons/foot = 29.8 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): 182'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 182'	PURGING INITIATED AT: 1236	PURGING ENDED AT: 1406	TOTAL VOLUME PURGED (gallons): 45.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
1336	30.0	30.0	0.50	10.64	7.11	27.30	312	0.45	1.81	None	NR	-85.3
1351	7.5	37.5	↓	10.64	7.08	27.32	313	0.39	1.57	↓	↓	-86.6
1406	7.5	45.0	↓	10.64	7.09	27.35	316	0.31	1.64	↓	↓	-89.1

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:
Brian Fox /Arcadis	[signature]	1407	1410

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

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

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-14C	3	CG	40 ml	HCL	NA	NR	VOCs / USEPA 8260B	APP	≈250
↓	3	AG	40 ml	H_2SO_4	NA	NR	TOC / SM 5310C	↓	↓
	2	AG	40 ml	BAK	NA	NR	CO2 / AM20GAX		
	3	CG	40 ml	HCL	NA	NR	Methane, Ethane, Ethene / RSK-175		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density 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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Solitron Devices Site	SITE LOCATION: Riviera Beach, Palm Beach County, Florida
WELL NO: MW-13A	SAMPLE ID: MW-13A (11182019)	DATE: 11 / 18 / 19

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 18.5 feet to 28.5 feet	STATIC DEPTH TO WATER (feet): 9.13'	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 + (0.0014 gallons/foot X 33' feet) + 0.25 gallons = 0.29 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 23.5'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 23.5'	PURGING INITIATED AT: 1420	PURGING ENDED AT: 1435	TOTAL VOLUME PURGED (gallons): 1.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or uS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
1429	0.90	0.90	0.10	9.16	5.75	26.37	345	0.87	1.46	NONE	NR	66.1
1432	0.30	1.20	↓	9.15	5.74	26.38	343	0.72	1.29	↓	↓	61.2
1435	0.30	1.50	↓	9.15	5.72	26.40	344	0.64	1.21	↓	↓	62.6

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: Brian Fox /Arcadis	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1436	SAMPLING ENDED AT: 1439
PUMP OR TUBING DEPTH IN WELL (feet): 23.5'	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 (including wet ice)					
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)
MW-13A	3	CG	40 ml	HCL	NA	NR	VOCs / USEPA 8260B	APP	~250
↓	3	AG	40 ml	H2SO4	NA	NR	TOC / SM 5310C	↓	↓
	2	AG	40 ml	BAK	NA	NR	CO2 / AM20GAX		
	3	CG	40 ml	HCL	NA	NR	Methane, Ethane, Ethene / RSK-175		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density 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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Solitron Devices Site	SITE LOCATION: Riviera Beach, Palm Beach County, Florida
WELL NO: MW-13B — SAMPLE ID: MW-13B (11182019)	DATE: 11 / 18 / 19

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 92 feet to 112 feet	STATIC DEPTH TO WATER (feet): 9.18'	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)
= (112' feet – 9.18' feet) X 0.16 gallons/foot = 16.45 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): 102'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 102'	PURGING INITIATED AT: 1446	PURGING ENDED AT: 1540	TOTAL VOLUME PURGED (gallons): 24.7

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
1522	16.5	16.5	0.46	9.20	7.12	26.44	345	0.28	1.57	NONE	NR	-178.0
1531	4.1	20.6	↓	9.20	7.09	26.47	344	0.21	1.39	↓	↓	-167.1
1540	4.1	24.7	↓	9.20	7.10	26.46	344	0.20	1.64	↓	↓	-163.8

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: Brian Fox /Arcadis	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1541	SAMPLING ENDED AT: 1544
PUMP OR TUBING DEPTH IN WELL (feet): 102'	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 (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-13B	3	CG	40 ml	HCL	NA	NR	VOCs / USEPA 8260B	APP	250
↓	3	AG	40 ml	H_2SO_4	NA	NR	TOC / SM 5310C	↓	↓
	2	AG	40 ml	BAK	NA	NR	CO2 / AM20GAX		
	3	CG	40 ml	HCL	NA	NR	Methane, Ethane, Ethene / RSK-175		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density 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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Solitron Devices Site	SITE LOCATION: Riviera Beach, Palm Beach County, Florida
WELL NO: MW-13C	SAMPLE ID: MW-13C (11 18 2019) — DATE: 11 / 18 / 19

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 167 feet to 197 feet	STATIC DEPTH TO WATER (feet): 9.52'	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)
= (197' feet – 9.52' feet) x 0.16 gallons/foot = 29.9 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): 182'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 182'	PURGING INITIATED AT: 1550	PURGING ENDED AT: 1720	TOTAL VOLUME PURGED (gallons): 45.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
1650	30.0	30.0	0.50	9.57	7.15	25.89	496	0.21	1.74	NONE	NR	-135.2
1705	7.5	37.5	↓	9.57	7.15	25.86	497	0.24	1.41	↓	↓	-147.5
1720	7.5	45.0	↓	9.57	7.12	25.90	497	0.26	1.60	↓	↓	-139.7

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: Brian Fox /Arcadis	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1721	SAMPLING ENDED AT: 1724
PUMP OR TUBING DEPTH IN WELL (feet): 182'	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 (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-13C	3	CG	40 ml	HCL	NA	NR	VOCs / USEPA 8260B	APP	~ 250
↓	3	AG	40 ml	H_2SO_4	NA	NR	TOC / SM 5310C	↓	↓
↓	2	AG	40 ml	BAK	NA	NR	CO2 / AM20GAX	↓	↓
↓	3	CG	40 ml	HCL	NA	NR	Methane, Ethane, Ethene / RSK-175	↓	↓

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density 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)

Control Number: TSM-

TSM + project number plus date as follows: xxxxxxxx.xxxx.xxxxx - dd/mm/year

ARCADIS | Design & Consultancy for natural and built assets

TAILGATE HEALTH & SAFETY MEETING FORM

Project Name: Honeywell / Solitron	**Project Location:** Riviera Beach, FL
Date: 11/19/19 **Time:** 0715 **Conducted by:** Brian Fox	**Signature/Title:** B. Fox / Tech

Issues or concerns from previous day's activities:

NONE

Task anticipated to be performed today:

☐ Additional permits/checklists attached G.W. sampling.

USE TRACK! Evaluate the hazards (h) for the tasks being performed today and rank as Low (L), Medium (M) or High (H). Use relevant JSAs, FHSHB, permit or other work standard to communicate controls (c) to be used to eliminate or mitigate identified hazards.

☒ Gravity (i.e., ladder, scaffold, trips) (L M H)	☒ Motion (i.e., traffic, moving water) (L M H)	☒ Mechanical (i.e., augers, motors) (L M H)
h:	h:	h:
c:	c:	c:
☒ Electrical (i.e., utilities, lightning) (L M H)	☒ Pressure (i.e., gas cyl., wells) (L M H)	☒ Environment (i.e., heat, cold, ice) (L M H)
h:	h:	h:
c:	c:	c:
☒ Chemical (i.e., fuel, acid, paint) (L M H)	☒ Biological (i.e., ticks, poison ivy) (L M H)	☒ Radiation (i.e., alpha, sun, laser) (L M H)
h:	h:	h:
c:	c:	c:
☒ Sound (i.e., machinery) (L M H)	☒ Personal (i.e. alone, night) (L M H)	☒ Driving (i.e. car, ATV, boat, dozer) (L M H)
h:	h:	h:
c:	c:	c:

Comments:

☐ Refer to the attached Hazard Analysis Sheet(s) or JSA

Signature and Certification: I have read and understand the project specific HASP for this project.

Printed Name/Signature/Company	Sign In Time	Sign Out Time
Brian Fox / B. Fox / Arcadis	0715	1615

I will STOP the job any time anyone is concerned or uncertain about health & safety or if anyone identifies a hazard or additional mitigation not recorded in the site, project, job or task hazard assessment.

I will be alert to any changes in personnel, conditions at the work site or hazards not covered by the original hazard assessments.

If it is necessary to **STOP THE JOB,** I will perform **TRACK**; and then amend the hazard assessments or the HASP as needed.

I will not assist a subcontractor or other party with their work unless it is absolutely necessary and then only after I have done TRACK and I have thoroughly controlled the hazard.

All site staff should arrive fit for work. If not, they should report to the supervisor any restrictions or concerns.

In the event of an injury, employees will call **WorkCare at 1.888.449.7787** and then notify the field supervisor.

Utility strike, motor vehicle accident or 3rd party property damage - field supervisor will immediately notify the Project or Task Manager

ARCADIS

GROUNDWATER SAMPLING
Field Instrument Calibration Verification

PRE/POST

DATE: 11-19-19 **TIME:** 0740 | 1540 **PROJECT #:** Honeywell/Solitron

GW SAMPLE KIT #: 1 **CALIBRATION KIT #** 1

SIGNATURE: [illegible]

PARAMETER: pH **MODEL: YSI 556**

STD(Units)	IR (units)	AR(units)	Verify Calibration
7.0	7.00 | 7.00	6.8 - 7.2	✓ | ✓
10.0	10.00 | 10.06	9.8 - 10.2	✓ | ✓
4.01	3.99 | 4.02	3.8 - 4.2	✓ | ✓

PARAMETER: Conductivity **MODEL: YSI 556**

STD(uS/cm)	IR(uS/cm)	AR(uS/cm)	Verify Calibration
1413	1413 | 1411	+or- 5%	✓ | ✓
447	448 | 445	+or- 5%	✓ | ✓

PARAMETER: Turbidity **MODEL: Lamotte 2020**

STD(NTUs)	IR (NTUs)	AR(NTUs)	Verify Calibration
0.0	0.04 | 0.0	-0.1 – 0.1	✓ | ✓
1.0	1.00 | 1.00	0.9 – 1.1	✓ | ✓
10.0	10.09 | 10.14	9.0 - 11.0	✓ | ✓

PARAMETER: ORP **MODEL: YSI 556**

STD(mV)	IR(mV)	AR(mV)	Verify Calibration
240	240.6 | 240.5	+or- 5%	✓ | ✓

PARAMETER: Dissolved Oxygen **MODEL: YSI 556**

Temp(°C)	**STD(mg/L)	IR(mg/L)	AR(mg/L)	Verify Calibration
24.9 | 29.1	8.29 | 7.678	8.28 | 7.68	+or- 5%	✓ | ✓

STD = Standard
IR = Instrument Response
Temp = Temperature
AR = Acceptable Range
**** = DEP-SOP-001/01 Table FS 2200-2**

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Solitron Devices Site	SITE LOCATION: Riviera Beach, Palm Beach County, Florida
WELL NO: MW-12A	SAMPLE ID: MW-12A (1/192019) DATE: 11 / 19 / 19

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 25 feet to 50 feet	STATIC DEPTH TO WATER (feet): 8.60'	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)
= (50' feet – 8.60' feet) X 0.16 gallons/foot = 6.62 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): 37.5'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 37.5'	PURGING INITIATED AT: 0824	PURGING ENDED AT: 0900	TOTAL VOLUME PURGED (gallons): 9.90

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
0848	6.60	6.60	0.28	8.63	7.00	26.28	163	0.47	3.99	NONE	NR	-177.6
0854	1.65	8.25	↓	8.63	7.04	26.29	163	0.45	3.41	↓	↓	-182.2
0900	1.65	9.90	↓	8.63	7.05	26.26	163	0.44	3.12	↓	↓	-180.9

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: Brian Fox /Arcadis	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0901	SAMPLING ENDED AT: 0904
PUMP OR TUBING DEPTH IN WELL (feet): 37.5'	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 (including wet ice)					
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)
MW-12A	3	CG	40 ml	HCL	NA	NR	VOCs / USEPA 8260B	APP	~250
↓	3	AG	40 ml	H_2SO_4	NA	NR	TOC / SM 5310C	↓	↓
	2	AG	40 ml	BAK	NA	NR	CO2 / AM20GAX		
	3	CG	40 ml	HCL	NA	NR	Methane, Ethane, Ethene / RSK-175		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density 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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Solitron Devices Site	SITE LOCATION: Riviera Beach, Palm Beach County, Florida
WELL NO: MW-12B	SAMPLE ID: MW-12B (11192019)	DATE: 11 / 19 / 19

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 75 feet to 100 feet	STATIC DEPTH TO WATER (feet): 8.38'	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)
= (100' feet – 8.38' feet) X 0.16 gallons/foot = 14.6 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): 87.5'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 87.5'	PURGING INITIATED AT: 0912	PURGING ENDED AT: 1000	TOTAL VOLUME PURGED (gallons): 21.9

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
0944	14.6	14.6	0.46	8.49	6.95	25.69	257	0.35	1.17	NONE	NR	-190.8
0952	3.65	18.25	↓	8.49	6.95	25.66	257	0.35	1.33	↓	↓	-188.7
1000	3.65	21.9	↓	8.49	6.97	25.67	254	0.30	1.22	↓	↓	-191.7

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: Brian Fox /Arcadis	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1001	SAMPLING ENDED AT: 1004
PUMP OR TUBING DEPTH IN WELL (feet): 87.5'	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 (including wet ice)					
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)
MW-12B	3	CG	40ml	HCL	NA	NR	VOCs / USEPA 8260B	APP	~250
↓	3	AG	40ml	H_2SO_4	NA	NR	TOC / SM 5310C	↓	↓
↓	2	AG	40ml	BAK	NA	NR	CO2 / AM20GAX	↓	↓
↓	3	CG	40ml	HCL	NA	NR	Methane, Ethane, Ethene / RSK-175	↓	↓

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density 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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Solitron Devices Site	SITE LOCATION: Riviera Beach, Palm Beach County, Florida
WELL NO: MW-3C / SAMPLE ID: MW-3C (11192019)	DATE: 11 / 19 / 19

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 179 feet to 209 feet	STATIC DEPTH TO WATER (feet): 15.98'	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)
= (209' feet – 15.98' feet) X 0.16 gallons/foot = 30.8 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): 194'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 194'	PURGING INITIATED AT: 1020	PURGING ENDED AT: 1156	TOTAL VOLUME PURGED (gallons): 46.2

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
1124	30.8	30.8	0.48	16.01	7.45	26.22	481	0.41	1.74	NONE	NR	-130.7
1140	7.70	38.5	↓	16.01	7.45	26.23	486	0.38	1.59		↓	-135.9
1156	7.70	46.2	↓	16.01	7.45	26.26	486	0.37	1.41	↓	↓	-136.0

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: Brian Fox /Arcadis	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1157	SAMPLING ENDED AT: 1200
PUMP OR TUBING DEPTH IN WELL (feet): 194'	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 (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-3C	3	CG	40 ml	HCL	NA	NR	VOCs / USEPA 8260B	APP	~250
↓	3	AG	40 ml	H_2SO_4	NA	NR	TOC / SM 5310C		↓
	2	AG	40 ml	BAK	NA	NR	CO2 / AM20GAX	↓	
	3	CG	40 ml	HCL	NA	NR	Methane, Ethane, Ethene / RSK-175		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density 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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Solitron Devices Site	SITE LOCATION: Riviera Beach, Palm Beach County, Florida

WELL NO: MW-3B	SAMPLE ID: MW-3B (11192019)	DATE: 11 / 19 / 19

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 115 feet to 125 feet	STATIC DEPTH TO WATER (feet): 14.32	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 + (0.0014 gallons/foot X 130' feet) + 0.25 gallons = 0.43 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 120'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 120'	PURGING INITIATED AT: 1212	PURGING ENDED AT: 1232	TOTAL VOLUME PURGED (gallons): 2.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
1224	1.20	1.20	0.10	14.35	7.43	26.54	446	0.68	2.92	None	NR	-120.9
1228	0.40	1.60	↓	14.35	7.43	26.58	448	0.57	2.41	↓	↓	-116.7
1232	0.40	2.00	↓	14.35	7.41	26.57	449	0.52	2.19	↓	↓	-113.2

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: Brian Fox /Arcadis	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1233	SAMPLING ENDED AT: 1236
PUMP OR TUBING DEPTH IN WELL (feet): 120'	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 (including wet ice)					
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)
MW-3B	3	CG	40 ml	HCL	NA	NR	VOCs / USEPA 8260B	APP	~250
↓	3	AG	40 ml	H_2SO_4	NA	NR	TOC / SM 5310C	↓	↓
↓	2	AG	40 ml	BAK	NA	NR	CO2 / AM20GAX	↓	↓
↓	3	CG	40 ml	HCL	NA	NR	Methane, Ethane, Ethene / RSK-175	↓	↓

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density 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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Solitron Devices Site	SITE LOCATION: Riviera Beach, Palm Beach County, Florida
WELL NO: MW-4B	SAMPLE ID: MW-4B (11192019) DATE: 11 / 19 / 19

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 117 feet to 127 feet	STATIC DEPTH TO WATER (feet): 10.36	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 + (0.0014 gallons/foot X 132' feet) + 0.25 gallons = 0.43 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 122'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 122'	PURGING INITIATED AT: 1306	PURGING ENDED AT: 1326	TOTAL VOLUME PURGED (gallons): 2.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
1318	1.20	1.20	0.10	10.49	7.53	27.54	310	0.53	1.90	NONE	NR	-122.1
1322	0.40	1.60	↓	10.49	7.53	27.59	310	0.48	1.74	↓	↓	-124.8
1326	0.40	2.00	↓	10.49	7.54	27.58	314	0.44	1.51	↓	↓	-127.3

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: Brian Fox /Arcadis	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1327	SAMPLING ENDED AT: 1330
PUMP OR TUBING DEPTH IN WELL (feet): 122'	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 (including wet ice)					
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)
MW-4B	3	CG	40 ml	HCL	NA	NR	VOCs / USEPA 8260B	APP	~250
↓	3	AG	40 ml	H_2SO_4	NA	NR	TOC / SM 5310C	↓	↓
↓	2	AG	40 ml	BAK	NA	NR	CO2 / AM20GAX	↓	↓
↓	3	CG	40 ml	HCL	NA	NR	Methane, Ethane, Ethene / RSK-175	↓	↓

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density 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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Solitron Devices Site	SITE LOCATION: Riviera Beach, Palm Beach County, Florida
WELL NO: MW-4C / SAMPLE ID: MW-4C (11192019)	DATE: 11 / 19 / 19

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 142 feet to 152 feet	STATIC DEPTH TO WATER (feet): 11.28'	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 + (0.0014 gallons/foot X 157' feet) + 0.25 gallons = 0.46 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 147'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 147'	PURGING INITIATED AT: 1338	PURGING ENDED AT: 1403	TOTAL VOLUME PURGED (gallons): 2.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
1353	1.50	1.50	0.10	11.43	7.30	27.47	504	0.56	1.47	None	NR	-103.8
1358	0.50	2.00	↓	11.42	7.27	27.51	507	0.51	1.54	↓	↓	-104.0
1403	0.50	2.50	↓	11.43	7.30	27.53	505	0.43	1.81	↓	↓	-105.1

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: Brian Fox /Arcadis	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1404	SAMPLING ENDED AT: 1407
PUMP OR TUBING DEPTH IN WELL (feet): 147'	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 (including wet ice)					
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)
MW-4C	3	CG	40 ml	HCL	NA	NR	VOCs / USEPA 8260B	APP	~250
↓	3	AG	40 ml	H_2SO_4	NA	NR	TOC / SM 5310C	↓	↓
	2	AG	40 ml	BAK	NA	NR	CO2 / AM20GAX		
	3	CG	40 ml	HCL	NA	NR	Methane, Ethane, Ethene / RSK-175		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density 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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Solitron Devices Site	SITE LOCATION: Riviera Beach, Palm Beach County, Florida
WELL NO: MW-1B / SAMPLE ID: MW-1B (11192019)	DATE: 11/ 19 / 19

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 115 feet to 125 feet	STATIC DEPTH TO WATER (feet): 22.67'	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)
= (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 + (0.0014 gallons/foot X 130' feet) + 0.25 gallons = 0.43 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 120'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 120'	PURGING INITIATED AT: 1430	PURGING ENDED AT: 1450	TOTAL VOLUME PURGED (gallons): 2.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
1442	1.20	1.20	0.10	22.71	7.36	26.49	404	0.59	3.17	NONE	NR	-32.7
1446	0.40	1.60	↓	22.71	7.37	26.50	404	0.54	2.84	↓	↓	-34.4
1450	0.40	2.00	↓	22.71	7.39	26.51	404	0.54	2.71	↓	↓	-38.4

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: Brian Fox /Arcadis	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1451	SAMPLING ENDED AT: 1454
PUMP OR TUBING DEPTH IN WELL (feet): 120'	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 (including wet ice)					
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)
MW-1B	3	CG	40 ml	HCL	NA	NR	VOCs / USEPA 8260B	APP	~250
↓	3	AG	40 ml	H_2SO_4	NA	NR	TOC / SM 5310C	↓	↓
↓	2	AG	40 ml	BAK	NA	NR	CO2 / AM20GAX	↓	↓
↓	3	CG	40 ml	HCL	NA	NR	Methane, Ethane, Ethene / RSK-175	↓	↓

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density 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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Solitron Devices Site	SITE LOCATION: Riviera Beach, Palm Beach County, Florida
WELL NO: MW-1C — SAMPLE ID: MW-1C (11192019)	DATE: 11/19/19

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 142 feet to 152 feet	STATIC DEPTH TO WATER (feet): 23.10	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 + (0.0014 gallons/foot X 157' feet) + 0.25 gallons = 0.46 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 147'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 147'	PURGING INITIATED AT: 1500	PURGING ENDED AT: 1525	TOTAL VOLUME PURGED (gallons): 2.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
1515	1.50	1.50	0.10	23.29	7.18	26.48	368	0.63	4.17	None	NR	-37.3
1520	0.50	2.00	↓	23.28	7.15	26.51	368	0.61	3.64	↓	↓	-40.1
1525	0.50	2.50	↓	23.29	7.18	26.52	368	0.60	3.19	↓	↓	-41.4

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: Brian Fox /Arcadis	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1526	SAMPLING ENDED AT: 1529
PUMP OR TUBING DEPTH IN WELL (feet): 147'	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 (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-1C	3	CG	40ml	HCL	NA	NR	VOCs / USEPA 8260B	APP	~250
↓	3	AG	40ml	H_2SO_4	NA	NR	TOC / SM 5310C	↓	↓
↓	2	AG	40ml	BAK	NA	NR	CO2 / AM20GAX	↓	↓
↓	3	CG	40ml	HCL	NA	NR	Methane, Ethane, Ethene / RSK-175	↓	↓

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density 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)

Control Number: TSM-

TSM + project number plus date as follows: xxxxxxxx.xxxx.xxxxx - dd/mm/year

ARCADIS | Design & Consultancy for natural and built assets

TAILGATE HEALTH & SAFETY MEETING FORM

Project Name: Honeywell/Solitron	**Project Location:** Riviera Beach, FL
Date: 11/20/19 **Time:** 0700 **Conducted by:** Brian Fox	**Signature/Title:** B. L / Tech

Issues or concerns from previous day's activities:

NONE

Task anticipated to be performed today:

☐ Additional permits/checklists attached G.W. Sampling.

USE TRACK! Evaluate the hazards (h) for the tasks being performed today and rank as Low (L), Medium (M) or High (H). Use relevant JSAs, FHSHB, permit or other work standard to communicate controls (c) to be used to eliminate or mitigate identified hazards.

☒ Gravity (i.e., ladder, scaffold, trips) (L M H)	☒ Motion (i.e., traffic, moving water) (L M H)	☒ Mechanical (i.e., augers, motors) (L M H)
h:	h:	h:
c:	c:	c:
☒ Electrical (i.e., utilities, lightning) (L M H)	☒ Pressure (i.e., gas cyl., wells) (L M H)	☒ Environment (i.e., heat, cold, ice) (L M H)
h:	h:	h:
c:	c:	c:
☒ Chemical (i.e., fuel, acid, paint) (L M H)	☒ Biological (i.e., ticks, poison ivy) (L M H)	☒ Radiation (i.e., alpha, sun, laser) (L M H)
h:	h:	h:
c:	c:	c:
☒ Sound (i.e., machinery) (L M H)	☒ Personal (i.e. alone, night) (L M H)	☒ Driving (i.e. car, ATV, boat, dozer) (L M H)
h:	h:	h:
c:	c:	c:

Comments:

☐ Refer to the attached Hazard Analysis Sheet(s) or JSA

Signature and Certification: I have read and understand the project specific HASP for this project.

Printed Name/Signature/Company	Sign In Time	Sign Out Time
Brian Fox/B. L/Arcadis	0700	1600

I will STOP the job any time anyone is concerned or uncertain about health & safety or if anyone identifies a hazard or additional mitigation not recorded in the site, project, job or task hazard assessment.

I will be alert to any changes in personnel, conditions at the work site or hazards not covered by the original hazard assessments.

If it is necessary to **STOP THE JOB,** I will perform **TRACK**; and then amend the hazard assessments or the HASP as needed.

I will not assist a subcontractor or other party with their work unless it is absolutely necessary and then only after I have done TRACK and I have thoroughly controlled the hazard.

All site staff should arrive fit for work. If not, they should report to the supervisor any restrictions or concerns.

In the event of an injury, employees will call **WorkCare at 1.888.449.7787** and then notify the field supervisor.

Utility strike, motor vehicle accident or 3rd party property damage - field supervisor will immediately notify the Project or Task Manager

ARCADIS

GROUNDWATER SAMPLING
Field Instrument Calibration Verification

PRE/POST

DATE: 11- -19 **TIME:** 0930 | 1500 **PROJECT #:** Honeywell/Solitron

GW SAMPLE KIT #: 1 **CALIBRATION KIT #** 1

SIGNATURE: [illegible]

PARAMETER: pH **MODEL: YSI 556**

STD(Units)	IR (units)	AR(units)	Verify Calibration
7.0	6.98 | 7.03	6.8 - 7.2	✓ | ✓
10.0	10.07 | 9.98	9.8 - 10.2	✓ | ✓
4.01	4.03 | 4.00	3.8 - 4.2	✓ | ✓

PARAMETER: Conductivity **MODEL: YSI 556**

STD(uS/cm)	IR(uS/cm)	AR(uS/cm)	Verify Calibration
1413	1413 | 1417	+or- 5%	✓ | ✓
447	444 | 445	+or- 5%	✓ | ✓

PARAMETER: Turbidity **MODEL: Lamotte 2020**

STD(NTUs)	IR (NTUs)	AR(NTUs)	Verify Calibration
0.0	0.06 | 0.09	-0.1 – 0.1	✓ | ✓
1.0	1.00 | 1.00	0.9 – 1.1	✓ | ✓
10.0	10.07 | 10.03	9.0 - 11.0	✓ | ✓

PARAMETER: ORP **MODEL: YSI 556**

STD(mV)	IR(mV)	AR(mV)	Verify Calibration
240	240.0 | 239.6	+or- 5%	✓ | ✓

PARAMETER: Dissolved Oxygen **MODEL: YSI 556**

Temp(‘C)	**STD(mg/L)	IR(mg/L)	AR(mg/L)	Verify Calibration
25.1 | 28.9	8.246 | 7.705	8.25 | 7.71	+or- 5%	✓ | ✓

STD = Standard
IR = Instrument Response
Temp = Temperature
AR = Acceptable Range
**** = DEP-SOP-001/01 Table FS 2200-2**

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Solitron Devices Site	SITE LOCATION: Riviera Beach, Palm Beach County, Florida
WELL NO: MW-1D / SAMPLE ID: MW-1D (11202019)	DATE: 11 / 20 / 19

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 200 feet to 210 feet	STATIC DEPTH TO WATER (feet): 23.86'	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 + (0.0014 gallons/foot X 210' feet) + 0.25 gallons = 0.54 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 205'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 205'	PURGING INITIATED AT: 0808	PURGING ENDED AT: 0923	TOTAL VOLUME PURGED (gallons): 2.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
0853	1.50	1.50	0.03	23.89	7.43	24.93	459	0.60	9.33	NONE	NR	-63.4
0908	0.50	2.00	↓	23.89	7.42	24.98	464	0.52	9.12	↓	↓	-61.5
0923	0.50	2.50	↓	23.89	7.42	25.00	462	0.49	7.26	↓	↓	-57.7

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: Brian Fox /Arcadis	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 0924	SAMPLING ENDED AT: 0927
PUMP OR TUBING DEPTH IN WELL (feet): 205'	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 (including wet ice)					
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)
MW-1D	3	CG	40 ml	HCL	NA	NR	VOCs / USEPA 8260B	APP	~250
↓	3	AG	40 ml	H_2SO_4	NA	NR	TOC / SM 5310C	↓	↓
	2	AG	40 ml	BAK	NA	NR	CO2 / AM20GAX		
	3	CG	40 ml	HCL	NA	NR	Methane, Ethane, Ethene / RSK-175		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density 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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Solitron Devices Site	SITE LOCATION: Riviera Beach, Palm Beach County, Florida
WELL NO: MW-1E	SAMPLE ID: MW-1E (11202019)	DATE: 11 / 20 / 19

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 220 feet to 230 feet	STATIC DEPTH TO WATER (feet): 23.89	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 + (0.0014 gallons/foot X 230' feet) + 0.25 gallons = 0.57 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 225'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 225'	PURGING INITIATED AT: 0935	PURGING ENDED AT: 1047	TOTAL VOLUME PURGED (gallons): 3.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
1023	1.80	1.80	0.04	23.92	7.37	25.47	555	0.43	4.81	None	NR	-71.6
1035	0.60	2.40	↓	23.92	7.37	25.48	558	0.36	4.27	↓	↓	-74.8
1047	0.60	3.00	↓	23.92	7.37	25.51	555	0.35	4.56	↓	↓	-76.3

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: Brian Fox /Arcadis	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1048	SAMPLING ENDED AT: 1051
PUMP OR TUBING DEPTH IN WELL (feet): 225'	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 (including wet ice)					
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)
MW-1E	3	CG	40ml	HCL	NA	NR	VOCs / USEPA 8260B	APP	~250
↓	3	AG	40ml	H_2SO_4	NA	NR	TOC / SM 5310C	↓	↓
	2	AG	40ml	BAK	NA	NR	CO2 / AM20GAX		
	3	CG	40ml	HCL	NA	NR	Methane, Ethane, Ethene / RSK-175		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density 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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Solitron Devices Site	SITE LOCATION: Riviera Beach, Palm Beach County, Florida
WELL NO: MW-1F / SAMPLE ID: MW-1F (11202019)	DATE: 11 / 20 / 19

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 280 feet to 290 feet	STATIC DEPTH TO WATER (feet): 23.81'	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 + (0.0014 gallons/foot X 290' feet) + 0.25 gallons = 0.65 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 285'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 285'	PURGING INITIATED AT: 1110	PURGING ENDED AT: 1250	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. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
1210	2.10	2.10	0.04	23.87	7.52	26.26	483	0.59	3.70	None	NR	-137.1
1230	0.70	2.80	↓	23.87	7.49	26.29	484	0.50	3.12	↓	↓	-133.6
1250	0.70	3.50	↓	23.86	7.51	26.27	487	0.48	3.34	↓	↓	-130.7

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: Brian Fox /Arcadis	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: ~~1254~~ 1251 BD	SAMPLING ENDED AT: ~~1254~~ 1251 BD
PUMP OR TUBING DEPTH IN WELL (feet): 285'	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 (including wet ice)					
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)
MW-1F	3	CG	40 ml	HCL	NA	NR	VOCs / USEPA 8260B	APP	~250
↓	3	AG	40 ml	H_2SO_4	NA	NR	TOC / SM 5310C	↓	↓
	2	AG	40 ml	BAK	NA	NR	CO2 / AM20GAX		
↓	3	CG	40 ml	HCL	NA	NR	Methane, Ethane, Ethene / RSK-175		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density 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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Solitron Devices Site	SITE LOCATION: Riviera Beach, Palm Beach County, Florida	
WELL NO: MW-20A	SAMPLE ID: MW-20A (11202019)	DATE: 11 / 20 / 19

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 70 feet to 80 feet	STATIC DEPTH TO WATER (feet): 8.80'	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 + (0.006 gallons/foot X 80' feet) + 0.25 gallons = 0.73 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 75'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 75'	PURGING INITIATED AT: 1317	PURGING ENDED AT: 1337	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. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
1329	2.10	2.10	0.18	8.87	7.24	27.70	612	0.58	9.47	None	NR	-108.8
1333	0.70	2.80	↓	8.87	7.23	27.67	618	0.58	7.91		↓	-110.9
1337	0.70	3.50	↓	8.87	7.23	27.69	619	0.57	7.44	↓	↓	-113.1

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: Brian Foy /Arcadis	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1338	SAMPLING ENDED AT: 1341
PUMP OR TUBING DEPTH IN WELL (feet): 75'	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 (including wet ice)					
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)
MW-20A	3	CG	40 ml	HCL	NA	NR	VOCs / USEPA 8260B	APP	~250
↓	3	AG	40 ml	H_2SO_4	NA	NR	TOC / SM 5310C	↓	↓
	2	AG	40 ml	BAK	NA	NR	CO2 / AM20GAX		
	3	CG	40 ml	HCL	NA	NR	Methane, Ethane, Ethene / RSK-175		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density 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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Solitron Devices Site	SITE LOCATION: Riviera Beach, Palm Beach County, Florida
WELL NO: MW-20B / SAMPLE ID: MW-20B (11202019)	DATE: 11 / 20 / 19

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 125 feet to 135 feet	STATIC DEPTH TO WATER (feet): 9.20'	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 + (0.0014 gallons/foot X 135' feet) + 0.25 gallons = 0.43 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 130'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 130'	PURGING INITIATED AT: 1346	PURGING ENDED AT: 1406	TOTAL VOLUME PURGED (gallons): 2.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
1358	1.20	1.20	0.10		7.37	27.80	572	0.59	7.59	NONE	NR	-116.6
1402	0.40	1.60	↓		7.34	27.77	580	0.57	6.37	↓	↓	-118.4
1406	0.40	2.00	↓		7.34	27.74	581	0.51	6.72	↓	↓	-116.9

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: Brian Fox /Arcadis	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1407	SAMPLING ENDED AT: 1413
PUMP OR TUBING DEPTH IN WELL (feet): 130'	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	DUP-2

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-20B	6	CG	40 ml	HCL	NA	NR	VOCs / USEPA 8260B	APP	~250
↓	6	AG	40 ml	H_2SO_4	NA	NR	TOC / SM 5310C	↓	↓
	4	AG	40 ml	BAK	NA	NR	CO2 / AM20GAX		
	6	CG	40 ml	HCL	NA	NR	Methane, Ethane, Ethene / RSK-175		

REMARKS:
Duplicate-1 sample collected, C.O.C time = 1200

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density 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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Solitron Devices Site	SITE LOCATION: Riviera Beach, Palm Beach County, Florida
WELL NO: MW-20C	SAMPLE ID: MW-20C (11202019)	DATE: 11 / 20 / 19

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 225 feet to 235 feet	STATIC DEPTH TO WATER (feet): 9.31	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)
= (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 + (0.0014 gallons/foot X 235' feet) + 0.25 gallons = 0.57 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 230'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 230'	PURGING INITIATED AT: 1418	PURGING ENDED AT: 1443	TOTAL VOLUME PURGED (gallons): 3.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
1433	1.80	1.80	0.12	9.39	7.52	27.42	523	0.44	9.94	None	NR	-108.5
1438	0.60	2.40	↓	9.39	7.49	27.39	521	0.41	9.17	↓	↓	-109.8
1443	0.60	3.00	↓	9.40	7.48	27.40	517	0.37	8.72	↓	↓	-111.2

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: Brian Fox /Arcadis	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1444	SAMPLING ENDED AT: 1447
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 (including wet ice)					
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)
MW-20C	3	CG	40 ml	HCL	NA	NR	VOCs / USEPA 8260B	APP	~250
↓	3	AG	40 ml	H_2SO_4	NA	NR	TOC / SM 5310C	↓	↓
	2	AG	40 ml	BAK	NA	NR	CO2 / AM20GAX		
	3	CG	40 ml	HCL	NA	NR	Methane, Ethane, Ethene / RSK-175		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density 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)

Control Number: TSM-

TSM + project number plus date as follows: xxxxxxxx.xxxx.xxxxx - dd/mm/year

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TAILGATE HEALTH & SAFETY MEETING FORM

Project Name: Honeywell / Solitron	**Project Location:** Riviera Beach, FL
Date: 11/21/19 **Time:** 0715 **Conducted by:** Brian Fox	**Signature/Title:** B. L / Tech

Issues or concerns from previous day's activities:

NONE

Task anticipated to be performed today:

☐ Additional permits/checklists attached G.W. sampling.

USE TRACK! Evaluate the hazards (h) for the tasks being performed today and rank as Low (L), Medium (M) or High (H). Use relevant JSAs, FHSHB, permit or other work standard to communicate controls (c) to be used to eliminate or mitigate identified hazards.

☒ Gravity (i.e., ladder, scaffold, trips) (L M H)	☒ Motion (i.e., traffic, moving water) (L M H)	☒ Mechanical (i.e., augers, motors) (L M H)
h:	h:	h:
c:	c:	c:
☒ Electrical (i.e., utilities, lightning) (L M H)	☒ Pressure (i.e., gas cyl., wells) (L M H)	☒ Environment (i.e., heat, cold, ice) (L M H)
h:	h:	h:
c:	c:	c:
☒ Chemical (i.e., fuel, acid, paint) (L M H)	☒ Biological (i.e., ticks, poison ivy) (L M H)	☒ Radiation (i.e., alpha, sun, laser) (L M H)
h:	h:	h:
c:	c:	c:
☒ Sound (i.e., machinery) (L M H)	☒ Personal (i.e. alone, night) (L M H)	☒ Driving (i.e. car, ATV, boat, dozer) (L M H)
h:	h:	h:
c:	c:	c:

Comments:

☐ Refer to the attached Hazard Analysis Sheet(s) or JSA

Signature and Certification: I have read and understand the project specific HASP for this project.

Printed Name/Signature/Company	Sign In Time	Sign Out Time
Brian Fox / B. L / Arcadis	0715	1600

I will STOP the job any time anyone is concerned or uncertain about health & safety or if anyone identifies a hazard or additional mitigation not recorded in the site, project, job or task hazard assessment.

I will be alert to any changes in personnel, conditions at the work site or hazards not covered by the original hazard assessments.

If it is necessary to **STOP THE JOB,** I will perform **TRACK**; and then amend the hazard assessments or the HASP as needed.

I will not assist a subcontractor or other party with their work unless it is absolutely necessary and then only after I have done TRACK and I have thoroughly controlled the hazard.

All site staff should arrive fit for work. If not, they should report to the supervisor any restrictions or concerns.

In the event of an injury, employees will call **WorkCare at 1.888.449.7787** and then notify the field supervisor.

Utility strike, motor vehicle accident or 3rd party property damage - field supervisor will immediately notify the Project or Task Manager

ARCADIS

GROUNDWATER SAMPLING
Field Instrument Calibration Verification

DATE: 11-21-19 TIME: PRE/POST 0750/1505 PROJECT #: Honeywell/Solitron
GW SAMPLE KIT #: 1 CALIBRATION KIT # 1
SIGNATURE: [illegible]

PARAMETER: pH MODEL: YSI 556

STD(Units)	IR (units)		AR(units)	Verify Calibration	
7.0	7.00	7.00	6.8 - 7.2	✓	✓
10.0	10.06	10.14	9.8 - 10.2	✓	✓
4.01	4.00	3.97	3.8 - 4.2	✓	✓

PARAMETER: Conductivity MODEL: YSI 556

STD(uS/cm)	IR(uS/cm)		AR(uS/cm)	Verify Calibration	
1413	1411	1413	+or- 5%	✓	✓
447	449	443	+or- 5%	✓	✓

PARAMETER: Turbidity MODEL: Lamotte 2020

STD(NTUs)	IR (NTUs)		AR(NTUs)	Verify Calibration	
0.0	0.07	0.00	-0.1 – 0.1	✓	✓
1.0	1.00	1.06	0.9 – 1.1	✓	✓
10.0	10.00	9.96	9.0 - 11.0	✓	✓

PARAMETER: ORP MODEL: YSI 556

STD(mV)	IR(mV)		AR(mV)	Verify Calibration	
240	240.7	240.2	+or- 5%	✓	✓

PARAMETER: Dissolved Oxygen MODEL: YSI 556

Temp(°C)		**STD(mg/L)		IR(mg/L)		AR(mg/L)	Verify Calibration	
24.4	29.8	8.356	7.585	8.36	7.59	+or- 5%	✓	✓

STD = Standard
IR = Instrument Response
Temp = Temperature
AR = Acceptable Range
** = DEP-SOP-001/01 Table FS 2200-2

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Solitron Devices Site	SITE LOCATION: Riviera Beach, Palm Beach County, Florida
WELL NO: MW-22A	SAMPLE ID: MW-22A (1/2/2019)	DATE: 1/ 1 21 / 19

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 60 feet to 70 feet	STATIC DEPTH TO WATER (feet): 9.35	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 + (0.006 gallons/foot X 70 feet) + 0.25 gallons = 0.67 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 65'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 65'	PURGING INITIATED AT: 0824	PURGING ENDED AT: 0849	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. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
0839	2.10	2.10	0.14	9.39	7.21	27.07	650	0.96	3.23	none	NR	-98.9
0844	0.70	2.80	↓	9.39	7.20	27.04	651	0.84	2.11	↓	↓	-97.2
0849	0.70	3.50	↓	9.39	7.20	27.03	650	0.77	2.19	↓	↓	-101.0

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: Brian Fox /Arcadis	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 0850	SAMPLING ENDED AT: 0853
PUMP OR TUBING DEPTH IN WELL (feet): 65'	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 (including wet ice)					
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)
MW-22A	3	CG	40 ml	HCL	NA	NR	VOCs / USEPA 8260B	APP	~250
↓	3	AG	40 ml	H_2SO_4	NA	NR	TOC / SM 5310C	↓	↓
	2	AG	40 ml	BAK	NA	NR	CO2 / AM20GAX		
	3	CG	40 ml	HCL	NA	NR	Methane, Ethane, Ethene / RSK-175		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density 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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Solitron Devices Site	SITE LOCATION: Riviera Beach, Palm Beach County, Florida
WELL NO: MW-22B — SAMPLE ID: MW-22B (11/21/2019)	DATE: 11 / 21 / 19

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 135 feet to 145 feet	STATIC DEPTH TO WATER (feet): 7.55'	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 + (0.006 gallons/foot X 145' feet) + 0.25 gallons = 1.12 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 140'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 140'	PURGING INITIATED AT: 0900	PURGING ENDED AT: 0935	TOTAL VOLUME PURGED (gallons): 6.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
0921	3.60	3.60	0.17	9.63	7.30	26.55	569	0.79	2.18	None	NR	-38.3
0928	1.20	4.80	↓	9.63	7.30	26.55	567	0.72	2.62	↓	↓	-42.0
0935	1.20	6.00	↓	9.63	7.30	26.53	569	0.69	2.09	↓	↓	-42.9

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: Brian Fox /Arcadis	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 0936	SAMPLING ENDED AT: 0939
PUMP OR TUBING DEPTH IN WELL (feet): 140'	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 (including wet ice)					
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)
MW-22B	3	CG	40 ml	HCL	NA	NR	VOCs / USEPA 8260B	APP	~250
↓	3	AG	40 ml	H_2SO_4	NA	NR	TOC / SM 5310C	↓	↓
	2	AG	40 ml	BAK	NA	NR	CO2 / AM20GAX		
	3	CG	40 ml	HCL	NA	NR	Methane, Ethane, Ethene / RSK-175		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density 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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Solitron Devices Site	SITE LOCATION: Riviera Beach, Palm Beach County, Florida
WELL NO: MW-22C	SAMPLE ID: MW-22C (11212019) DATE: 11 / 21 / 19

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 230 feet to 240 feet	STATIC DEPTH TO WATER (feet): 10.04'	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 + (0.0014 gallons/foot X 240' feet) + 0.25 gallons = 0.58 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 235'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 235'	PURGING INITIATED AT: 0945	PURGING ENDED AT: 1010	TOTAL VOLUME PURGED (gallons): 3.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
1000	1.80	1.80	0.12	10.11	7.32	26.78	528	0.77	2.27	None	NR	-65.3
1005	0.60	2.40	↓	10.12	7.32	26.74	526	0.75	2.04	↓	↓	-63.8
1010	0.60	3.00	↓	10.12	7.30	26.76	527	0.72	2.11	↓	↓	-63.4

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: Brian Fox /Arcadis	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1011	SAMPLING ENDED AT: 1014
PUMP OR TUBING DEPTH IN WELL (feet): 235'	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 (including wet ice)					
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)
MW-22C	3	CG	40 ml	HCL	NA	NR	VOCs / USEPA 8260B	APP	~250
↓	3	AG	40 ml	H_2SO_4	NA	NR	TOC / SM 5310C	↓	↓
	2	AG	40 ml	BAK	NA	NR	CO2 / AM20GAX		
	3	CG	40 ml	HCL	NA	NR	Methane, Ethane, Ethene / RSK-175		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density 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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Solitron Devices Site	SITE LOCATION: Riviera Beach, Palm Beach County, Florida
WELL NO: MW-19A / SAMPLE ID: MW-19A (11/2/2019)	DATE: 11 / 21 / 19

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 60 feet to 70 feet	STATIC DEPTH TO WATER (feet): 8.26'	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 + (0.0014 gallons/foot X 70' feet) + 0.25 gallons = 0.34 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 65'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 65'	PURGING INITIATED AT: 1044	PURGING ENDED AT: 1104	TOTAL VOLUME PURGED (gallons): 2.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
1056	1.20	1.20	0.10	8.27	7.16	26.28	699	0.51	2.20	NONE	NR	-64.6
1100	0.40	1.60	↓	8.27	7.15	26.30	699	0.48	1.91	↓	↓	-76.5
1104	0.40	2.00	↓	8.27	7.15	26.30	698	0.54	2.06	↓	↓	-77.2

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: Brian Fox /Arcadis	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1105	SAMPLING ENDED AT: 1108
PUMP OR TUBING DEPTH IN WELL (feet): 65'	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 (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-19A	3	CG	40 ml	HCL	NA	NR	VOCs / USEPA 8260B	APP	~250
↓	3	AG	40 ml	H_2SO_4	NA	NR	TOC / SM 5310C	↓	↓
	2	AG	40 ml	BAK	NA	NR	CO2 / AM20GAX		
	3	CG	40 ml	HCL	NA	NR	Methane, Ethane, Ethene / RSK-175		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density 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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Solitron Devices Site	SITE LOCATION: Riviera Beach, Palm Beach County, Florida
WELL NO: MW-19B — SAMPLE ID: MW-19B (11/21/2019)	DATE: 11 / 21 / 19

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 135 feet to 145 feet	STATIC DEPTH TO WATER (feet): 8.79'	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 + (0.0014 gallons/foot X 145' feet) + 0.25 gallons = 0.45 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 140'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 140'	PURGING INITIATED AT: 1115	PURGING ENDED AT: 1140	TOTAL VOLUME PURGED (gallons): 2.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
1130	1.50	1.50	0.10	8.80	7.29	26.29	528	0.85	3.61	NONE	NR	-91.5
1135	0.50	2.00	↓	8.80	7.30	26.31	530	0.81	3.17	↓	↓	-94.3
1140	0.50	2.50	↓	8.80	7.33	26.34	532	0.76	3.49	↓	↓	-93.8

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: Brian Fox /Arcadis	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1141	SAMPLING ENDED AT: 1144
PUMP OR TUBING DEPTH IN WELL (feet): 140'	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 (including wet ice)					
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)
MW-19B	3	CG	40 ml	HCL	NA	NR	VOCs / USEPA 8260B	APP	~250
↓	3	AG	40 ml	H_2SO_4	NA	NR	TOC / SM 5310C	↓	↓
↓	2	AG	40 ml	BAK	NA	NR	CO2 / AM20GAX	↓	↓
↓	3	CG	40 ml	HCL	NA	NR	Methane, Ethane, Ethene / RSK-175	↓	↓

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density 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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Solitron Devices Site	SITE LOCATION: Riviera Beach, Palm Beach County, Florida
WELL NO: MW-19C / SAMPLE ID: MW-19C (11/21/2019)	DATE: 11 / 21 / 19

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 170 feet to 180 feet	STATIC DEPTH TO WATER (feet): 8.75'	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 + (0.0014 gallons/foot X 180' feet) + 0.25 gallons = 0.50 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 175'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 175'	PURGING INITIATED AT: 1154	PURGING ENDED AT: 1219	TOTAL VOLUME PURGED (gallons): 2.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
1209	1.50	1.50	0.10	8.79	7.34	26.09	509	0.88	4.17	none	NR	-37.3
1214	0.50	2.00	↓	8.79	7.34	26.11	509	0.85	4.64	↓	↓	-41.6
1219	0.50	2.50	↓	8.79	7.34	26.14	510	0.84	4.27	↓	↓	-38.6

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: Brian Fox /Arcadis	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1220	SAMPLING ENDED AT: 1226
PUMP OR TUBING DEPTH IN WELL (feet): 175'	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	DUP-2

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
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)
MW-19C	6	CG	40ml	HCL	NA	NR	VOCs / USEPA 8260B	APP	~250
↓	6	AG	40ml	H_2SO_4	NA	NR	TOC / SM 5310C	↓	↓
↓	4	AG	40ml	BAK	NA	NR	CO2 / AM20GAX	↓	↓
↓	6	CG	40ml	HCL	NA	NR	Methane, Ethane, Ethene / RSK-175	↓	↓

REMARKS:
Duplicate-2 sample collected. C.O.C. time = 1400

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density 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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Solitron Devices Site	SITE LOCATION: Riviera Beach, Palm Beach County, Florida
WELL NO: MW-19D — SAMPLE ID: MW-19D (11/2/2019)	DATE: 11 / 21 / 19

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 225 feet to 265 feet	STATIC DEPTH TO WATER (feet): 8.72'	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)
= (265' feet – 8.72' feet) X 0.16 gallons/foot = 41.00 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): 245'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 245'	PURGING INITIATED AT: 1240	PURGING ENDED AT: 1440	TOTAL VOLUME PURGED (gallons): 61.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
1400	41.0	41.0	0.51	8.79	7.50	25.81	434	0.45	1.97	NONE	NR	-101.7
1420	10.25	51.25	↓	8.79	7.47	25.79	435	0.46	1.62	↓	↓	-102.0
1440	10.25	61.50	↓	8.79	7.48	25.83	431	0.41	1.31	↓	↓	-105.1

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: Brian Fox /Arcadis	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1441	SAMPLING ENDED AT: 1444
PUMP OR TUBING DEPTH IN WELL (feet): 245'	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 (including wet ice)					
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)
MW-19D	3	CG	40 ml	HCL	NA	NR	VOCs / USEPA 8260B	APP	~250
↓	3	AG	40 ml	H_2SO_4	NA	NR	TOC / SM 5310C	↓	↓
	2	AG	40 ml	BAK	NA	NR	CO2 / AM20GAX		
	3	CG	40 ml	HCL	NA	NR	Methane, Ethane, Ethene / RSK-175		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density 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)

Control Number: TSM-

TSM + project number plus date as follows: xxxxxxxx.xxxx.xxxxx - dd/mm/year

ARCADIS | Design & Consultancy for natural and built assets

TAILGATE HEALTH & SAFETY MEETING FORM

Project Name: Honeywell / Solitron			**Project Location:** Riviera Beach, FL
Date: 11/22/19	**Time:** 0830	**Conducted by:** Brian Fox	**Signature/Title:** B. Fox / Tech

Issues or concerns from previous day's activities:

NONE

Task anticipated to be performed today:

☐ Additional permits/checklists attached G.W. Sampling.

USE TRACK! Evaluate the hazards (h) for the tasks being performed today and rank as Low (L), Medium (M) or High (H). Use relevant JSAs, FHSHB, permit or other work standard to communicate controls (c) to be used to eliminate or mitigate identified hazards.

☒ Gravity (i.e., ladder, scaffold, trips) (L M H)	☒ Motion (i.e., traffic, moving water) (L M H)	☒ Mechanical (i.e., augers, motors) (L M H)
h:	h:	h:
c:	c:	c:
☒ Electrical (i.e., utilities, lightning) (L M H)	☒ Pressure (i.e., gas cyl., wells) (L M H)	☒ Environment (i.e., heat, cold, ice) (L M H)
h:	h:	h:
c:	c:	c:
☒ Chemical (i.e., fuel, acid, paint) (L M H)	☒ Biological (i.e., ticks, poison ivy) (L M H)	☒ Radiation (i.e., alpha, sun, laser) (L M H)
h:	h:	h:
c:	c:	c:
☒ Sound (i.e., machinery) (L M H)	☒ Personal (i.e. alone, night) (L M H)	☒ Driving (i.e. car, ATV, boat, dozer) (L M H)
h:	h:	h:
c:	c:	c:

Comments:

☐ Refer to the attached Hazard Analysis Sheet(s) or JSA

Signature and Certification: I have read and understand the project specific HASP for this project.

Printed Name/Signature/Company	Sign In Time	Sign Out Time
Brian Fox / B. Fox / Arcadis	0830	1630

I will STOP the job any time anyone is concerned or uncertain about health & safety or if anyone identifies a hazard or additional mitigation not recorded in the site, project, job or task hazard assessment.

I will be alert to any changes in personnel, conditions at the work site or hazards not covered by the original hazard assessments.

If it is necessary to **STOP THE JOB,** I will perform **TRACK**; and then amend the hazard assessments or the HASP as needed.

I will not assist a subcontractor or other party with their work unless it is absolutely necessary and then only after I have done TRACK and I have thoroughly controlled the hazard.

All site staff should arrive fit for work. If not, they should report to the supervisor any restrictions or concerns.

In the event of an injury, employees will call **WorkCare at 1.888.449.7787** and then notify the field supervisor.

Utility strike, motor vehicle accident or 3rd party property damage - field supervisor will immediately notify the Project or Task Manager

ARCADIS

GROUNDWATER SAMPLING
Field Instrument Calibration Verification

PRE/POST

DATE: 11-22-19 **TIME:** 0910 | 1145 **PROJECT #:** Honeywell/Solitron

GW SAMPLE KIT #: 1 **CALIBRATION KIT #** 1

SIGNATURE: [illegible]

PARAMETER: pH **MODEL: YSI 556**

STD(Units)	IR (units)		AR(units)	Verify Calibration	
7.0	6.98	7.00	6.8 - 7.2	✓	✓
10.0	10.00	10.11	9.8 - 10.2	✓	✓
4.01	4.02	3.98	3.8 - 4.2	✓	✓

PARAMETER: Conductivity **MODEL: YSI 556**

STD(uS/cm)	IR(uS/cm)		AR(uS/cm)	Verify Calibration	
1413	1413	1417	+or- 5%	✓	✓
447	445	449	+or- 5%	✓	✓

PARAMETER: Turbidity **MODEL: Lamotte 2020**

STD(NTUs)	IR (NTUs)		AR(NTUs)	Verify Calibration	
0.0	0.0	0.06	-0.1 – 0.1	✓	✓
1.0	1.00	1.00	0.9 – 1.1	✓	✓
10.0	10.12	10.04	9.0 - 11.0	✓	✓

PARAMETER: ORP **MODEL: YSI 556**

STD(mV)	IR(mV)		AR(mV)	Verify Calibration	
240	240.8	240.3	+or- 5%	✓	✓

PARAMETER: Dissolved Oxygen **MODEL: YSI 556**

Temp(°C)		**STD(mg/L)		IR(mg/L)		AR(mg/L)	Verify Calibration	
25.7	28.6	8.158	7.745	8.16	7.75	+or- 5%	✓	✓

STD = Standard
IR = Instrument Response
Temp = Temperature
AR = Acceptable Range
**** = DEP-SOP-001/01 Table FS 2200-2**

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Solitron Devices Site	SITE LOCATION: Riviera Beach, Palm Beach County, Florida
WELL NO: MW-18A	SAMPLE ID: MW-18A (11222019)	DATE: 11 / 22 / 19

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 70 feet to 80 feet	STATIC DEPTH TO WATER (feet): 11.37	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 + (0.0014 gallons/foot X 80' feet) + 0.25 gallons = 0.36 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 75'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 75'	PURGING INITIATED AT: 0946	PURGING ENDED AT: 1006	TOTAL VOLUME PURGED (gallons): 2.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
0958	1.20	1.20	0.10	11.40	7.48	26.20	344	0.69	2.54	None	NR	-102.9
1002	0.40	1.60	↓	11.40	7.49	26.25	345	0.64	1.30	↓	↓	-104.6
1006	0.40	2.00	↓	11.40	7.53	26.23	347	0.58	1.51	↓	↓	-97.4

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: Brian Fox /Arcadis	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1007	SAMPLING ENDED AT: 1010
PUMP OR TUBING DEPTH IN WELL (feet): 75'	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 (including wet ice)					
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)
MW-18A	3	CG	40 ml	HCL	NA	NR	VOCs / USEPA 8260B	APP	~250
↓	3	AG	40 ml	H2SO4	NA	NR	TOC / SM 5310C	↓	↓
↓	2	AG	40 ml	BAK	NA	NR	CO2 / AM20GAX	↓	↓
↓	3	CG	40 ml	HCL	NA	NR	Methane, Ethane, Ethene / RSK-175	↓	↓

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density 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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Solitron Devices Site	SITE LOCATION: Riviera Beach, Palm Beach County, Florida
WELL NO: MW-18B — SAMPLE ID: MW-18B (11222019)	DATE: 11 / 22 / 19

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 150 feet to 160 feet	STATIC DEPTH TO WATER (feet): 11.33	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 + (0.0014 gallons/foot X 160' feet) + 0.25 gallons = 0.47 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 155'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 155'	PURGING INITIATED AT: 1020	PURGING ENDED AT: 1045	TOTAL VOLUME PURGED (gallons): 2.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
1035	1.50	1.50	0.10	11.42	7.40	26.29	447	0.41	1.77	None	NR	-116.3
1040	0.50	2.00	↓	11.42	7.41	26.29	448	0.37	1.54	↓	↓	-114.4
1045	0.50	2.50	↓	11.42	7.41	26.28	448	0.36	1.39	↓	↓	-119.2

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: Brian Fox /Arcadis	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1046	SAMPLING ENDED AT: 1049
PUMP OR TUBING DEPTH IN WELL (feet): 155'	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 (including wet ice)					
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)
MW-18B	3	CG	40 ml	HCL	NA	NR	VOCs / USEPA 8260B	APP	~250
↓	3	AG	40 ml	H_2SO_4	NA	NR	TOC / SM 5310C	↓	↓
	2	CG	40 ml	BAK	NA	NR	CO2 / AM20GAX		
	3	AG	40 ml	HCL	NA	NR	Methane, Ethane, Ethene / RSK-175		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density 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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Solitron Devices Site	SITE LOCATION: Riviera Beach, Palm Beach County, Florida
WELL NO: MW-18C	SAMPLE ID: MW-18C (11 22 2019)	DATE: 11 22 19

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 245 feet to 255 feet	STATIC DEPTH TO WATER (feet): 11.36	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 + (0.0014 gallons/foot X 255' feet) + 0.25 gallons = 0.60 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 250'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 250'	PURGING INITIATED AT: 1057	PURGING ENDED AT: 1127	TOTAL VOLUME PURGED (gallons): 3.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
1115	1.80	1.80	0.10	11.40	7.57	26.34	416	0.61	7.41	NONE	NR	-115.2
1121	0.60	2.40	↓	11.40	7.57	26.38	415	0.60	6.72	↓	↓	-116.9
1127	0.60	3.00	↓	11.40	7.57	26.38	411	0.54	4.91	↓	↓	-119.1

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: Brian Fox /Arcadis	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1128	SAMPLING ENDED AT: 1131
PUMP OR TUBING DEPTH IN WELL (feet): 250'	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 (including wet ice)					
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)
MW-18C	3	CG	40 ml	HCL	NA	NR	VOCs / USEPA 8260B	APP	~250
↓	3	AG	40 ml	H_2SO_4	NA	NR	TOC / SM 5310C	↓	↓
↓	2	AG	40 ml	BAK	NA	NR	CO2 / AM20GAX	↓	↓
↓	3	CG	40 ml	HCL	NA	NR	Methane, Ethane, Ethene / RSK-175	↓	↓

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density 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)

APPENDIX B

Laboratory Analytical Results

JUNE 2019

SYSTEM

~ AIR:

J15523-1 UDS Level 2 Report Final Report

~ GROUNDWATER:

J95022-1 UDS Level 2 Report Final Report

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
Tel: (865)291-3000

Laboratory Job ID: 140-15523-1
Client Project/Site: Solitron - Riviera Beach, FL

For:
Honeywell International Inc
Remediation & Evaluation Services
115 Tabor Road
Morris Plains, New Jersey 07950

Attn: Prashant Gupta

Bethany McDaniel

Authorized for release by:
6/14/2019 6:22:57 PM

Bethany McDaniel, Senior Project Manager
(713)358-2005
bethany.mcdaniel@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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

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

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

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Definitions/Glossary

Client: Honeywell International Inc
Project/Site: Solitron - Riviera Beach, FL

Job ID: 140-15523-1

Qualifiers

Air - GC/MS VOA

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

Glossary

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

Case Narrative

Client: Honeywell International Inc
Project/Site: Solitron - Riviera Beach, FL

Job ID: 140-15523-1

Job ID: 140-15523-1

Laboratory: Eurofins TestAmerica, Knoxville

Narrative

Job Narrative
140-15523-1

Comments
No additional comments.

Receipt
The sample was received on 6/8/2019 9:30 AM; the sample arrived in good condition, properly preserved and, where required, on ice.

Air - GC/MS VOA
Method(s) Neutralization, TO 15 LL, TO-14A, TO-15: EPA methods TO-14A and TO-15 specify the use of humidified "zero air" as the blank reagent for canister cleaning, instrument calibration and sample analysis. Ultra-high purity humidified nitrogen from a cryogenic reservoir is used in place of "zero air" by TestAmerica Knoxville.

Method(s) TO 15 LL, TO-15: Although the BFB is flagged as outside control limits for TO-14 on batch 140-30640, the results are within limits for TO-15, which is required for this project.

Method(s) TO 15 LL, TO-15: The continuing calibration verification (CCV) associated with batch 140-30640 exhibited % difference of > 30% for the following analyte(s) Benzyl chloride; however, the results were within the LCS acceptance limits. The EPA method requires that all target analytes in the continuing calibration verification standard be within 30% difference from the initial calibration. According to the laboratory standard operating procedure, the continuing calibration is acceptable if it meets the laboratory control sample acceptance criteria.

Method(s) TO 15 LL, TO-15: The following analyte(s) recovered outside control limits for the LCS associated with analytical batch 140-30640: Benzyl chloride. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

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

Detection Summary

Client: Honeywell International Inc
Project/Site: Solitron - Riviera Beach, FL

Job ID: 140-15523-1

Client Sample ID: EFFLUENT

Lab Sample ID: 140-15523-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	26	I	34	9.4	ug/m3	13.17		TO-15	Total/NA
Chlorobenzene	57		49	12	ug/m3	13.17		TO-15	Total/NA
cis-1,2-Dichloroethene	2600		42	13	ug/m3	13.17		TO-15	Total/NA
1,1-Dichloroethene	10	I	42	7.1	ug/m3	13.17		TO-15	Total/NA
Methylene Chloride	230		180	59	ug/m3	13.17		TO-15	Total/NA
Toluene	36	I	200	24	ug/m3	13.17		TO-15	Total/NA
Trichloroethene	16	I	57	10	ug/m3	13.17		TO-15	Total/NA
Trichlorofluoromethane	25	I	59	7.4	ug/m3	13.17		TO-15	Total/NA
Vinyl chloride	940		54	9.6	ug/m3	13.17		TO-15	Total/NA

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	8.0	I	11	3.0	ppb v/v	13.17		TO-15	Total/NA
Chlorobenzene	12		11	2.6	ppb v/v	13.17		TO-15	Total/NA
cis-1,2-Dichloroethene	660		11	3.2	ppb v/v	13.17		TO-15	Total/NA
1,1-Dichloroethene	2.5	I	11	1.8	ppb v/v	13.17		TO-15	Total/NA
Methylene Chloride	67		53	17	ppb v/v	13.17		TO-15	Total/NA
Toluene	9.5	I	53	6.3	ppb v/v	13.17		TO-15	Total/NA
Trichloroethene	3.0	I	11	1.9	ppb v/v	13.17		TO-15	Total/NA
Trichlorofluoromethane	4.4	I	11	1.3	ppb v/v	13.17		TO-15	Total/NA
Vinyl chloride	370		21	3.7	ppb v/v	13.17		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Honeywell International Inc
Project/Site: Solitron - Riviera Beach, FL

Job ID: 140-15523-1

Client Sample ID: EFFLUENT

Lab Sample ID: 140-15523-1

Date Collected: 06/07/19 10:20
Matrix: Air
Date Received: 06/08/19 09:30
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**26**	**I**	34	9.4	ug/m3			06/11/19 20:06	13.17
Benzyl chloride	21	U J3	110	21	ug/m3			06/11/19 20:06	13.17
Bromomethane	6.5	U	41	6.5	ug/m3			06/11/19 20:06	13.17
Carbon tetrachloride	13	U	66	13	ug/m3			06/11/19 20:06	13.17
Chlorobenzene	**57**		49	12	ug/m3			06/11/19 20:06	13.17
Chloroethane	4.9	U	28	4.9	ug/m3			06/11/19 20:06	13.17
Chloroform	9.8	U	51	9.8	ug/m3			06/11/19 20:06	13.17
Chloromethane	17	U	110	17	ug/m3			06/11/19 20:06	13.17
cis-1,2-Dichloroethene	**2600**		42	13	ug/m3			06/11/19 20:06	13.17
cis-1,3-Dichloropropene	18	U	96	18	ug/m3			06/11/19 20:06	13.17
1,2-Dibromoethane (EDB)	18	U	81	18	ug/m3			06/11/19 20:06	13.17
1,2-Dichlorobenzene	22	U	130	22	ug/m3			06/11/19 20:06	13.17
1,3-Dichlorobenzene	21	U	63	21	ug/m3			06/11/19 20:06	13.17
1,4-Dichlorobenzene	20	U	63	20	ug/m3			06/11/19 20:06	13.17
Dichlorodifluoromethane	18	U	52	18	ug/m3			06/11/19 20:06	13.17
1,1-Dichloroethane	5.5	U	43	5.5	ug/m3			06/11/19 20:06	13.17
1,2-Dichloroethane	10	U	43	10	ug/m3			06/11/19 20:06	13.17
1,1-Dichloroethene	**10**	**I**	42	7.1	ug/m3			06/11/19 20:06	13.17
1,2-Dichloro-1,1,2,2-tetrafluoroethane	12	U	74	12	ug/m3			06/11/19 20:06	13.17
Ethylbenzene	16	U	46	16	ug/m3			06/11/19 20:06	13.17
Hexachlorobutadiene	44	U	560	44	ug/m3			06/11/19 20:06	13.17
Methylene Chloride	**230**		180	59	ug/m3			06/11/19 20:06	13.17
m-Xylene & p-Xylene	27	U	46	27	ug/m3			06/11/19 20:06	13.17
o-Xylene	14	U	46	14	ug/m3			06/11/19 20:06	13.17
Styrene	13	U	45	13	ug/m3			06/11/19 20:06	13.17
1,1,2,2-Tetrachloroethane	22	U	72	22	ug/m3			06/11/19 20:06	13.17
Tetrachloroethene	14	U	71	14	ug/m3			06/11/19 20:06	13.17
Toluene	**36**	**I**	200	24	ug/m3			06/11/19 20:06	13.17
trans-1,3-Dichloropropene	11	U	48	11	ug/m3			06/11/19 20:06	13.17
1,2,4-Trichlorobenzene	38	U	390	38	ug/m3			06/11/19 20:06	13.17
1,1,1-Trichloroethane	8.6	U	57	8.6	ug/m3			06/11/19 20:06	13.17
1,1,2-Trichloroethane	15	U	57	15	ug/m3			06/11/19 20:06	13.17
Trichloroethene	**16**	**I**	57	10	ug/m3			06/11/19 20:06	13.17
Trichlorofluoromethane	**25**	**I**	59	7.4	ug/m3			06/11/19 20:06	13.17
1,1,2-Trichloro-1,2,2-trifluoroethane	13	U	81	13	ug/m3			06/11/19 20:06	13.17
1,2,4-Trimethylbenzene	16	U	52	16	ug/m3			06/11/19 20:06	13.17
1,3,5-Trimethylbenzene	17	U	52	17	ug/m3			06/11/19 20:06	13.17
Undecane	21	U	340	21	ug/m3			06/11/19 20:06	13.17
Vinyl chloride	**940**		54	9.6	ug/m3			06/11/19 20:06	13.17

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**8.0**	**I**	11	3.0	ppb v/v			06/11/19 20:06	13.17
Benzyl chloride	4.1	U J3	21	4.1	ppb v/v			06/11/19 20:06	13.17
Bromomethane	1.7	U	11	1.7	ppb v/v			06/11/19 20:06	13.17
Carbon tetrachloride	2.0	U	11	2.0	ppb v/v			06/11/19 20:06	13.17
Chlorobenzene	**12**		11	2.6	ppb v/v			06/11/19 20:06	13.17
Chloroethane	1.8	U	11	1.8	ppb v/v			06/11/19 20:06	13.17
Chloroform	2.0	U	11	2.0	ppb v/v			06/11/19 20:06	13.17
Chloromethane	8.4	U	53	8.4	ppb v/v			06/11/19 20:06	13.17

Client Sample Results

Client: Honeywell International Inc
Project/Site: Solitron - Riviera Beach, FL

Job ID: 140-15523-1

Client Sample ID: EFFLUENT

Lab Sample ID: 140-15523-1

Date Collected: 06/07/19 10:20
Matrix: Air
Date Received: 06/08/19 09:30
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**660**		11	3.2	ppb v/v			06/11/19 20:06	13.17
cis-1,3-Dichloropropene	3.9	U	21	3.9	ppb v/v			06/11/19 20:06	13.17
1,2-Dibromoethane (EDB)	2.3	U	11	2.3	ppb v/v			06/11/19 20:06	13.17
1,2-Dichlorobenzene	3.7	U	21	3.7	ppb v/v			06/11/19 20:06	13.17
1,3-Dichlorobenzene	3.4	U	11	3.4	ppb v/v			06/11/19 20:06	13.17
1,4-Dichlorobenzene	3.4	U	11	3.4	ppb v/v			06/11/19 20:06	13.17
Dichlorodifluoromethane	3.6	U	11	3.6	ppb v/v			06/11/19 20:06	13.17
1,1-Dichloroethane	1.4	U	11	1.4	ppb v/v			06/11/19 20:06	13.17
1,2-Dichloroethane	2.5	U	11	2.5	ppb v/v			06/11/19 20:06	13.17
1,1-Dichloroethene	**2.5**	**I**	11	1.8	ppb v/v			06/11/19 20:06	13.17
1,2-Dichloro-1,1,2,2-tetrafluoroethane	1.7	U	11	1.7	ppb v/v			06/11/19 20:06	13.17
Ethylbenzene	3.6	U	11	3.6	ppb v/v			06/11/19 20:06	13.17
Hexachlorobutadiene	4.1	U	53	4.1	ppb v/v			06/11/19 20:06	13.17
Methylene Chloride	**67**		53	17	ppb v/v			06/11/19 20:06	13.17
m-Xylene & p-Xylene	6.3	U	11	6.3	ppb v/v			06/11/19 20:06	13.17
o-Xylene	3.2	U	11	3.2	ppb v/v			06/11/19 20:06	13.17
Styrene	3.1	U	11	3.1	ppb v/v			06/11/19 20:06	13.17
1,1,2,2-Tetrachloroethane	3.2	U	11	3.2	ppb v/v			06/11/19 20:06	13.17
Tetrachloroethene	2.1	U	11	2.1	ppb v/v			06/11/19 20:06	13.17
Toluene	**9.5**	**I**	53	6.3	ppb v/v			06/11/19 20:06	13.17
trans-1,3-Dichloropropene	2.5	U	11	2.5	ppb v/v			06/11/19 20:06	13.17
1,2,4-Trichlorobenzene	5.2	U	53	5.2	ppb v/v			06/11/19 20:06	13.17
1,1,1-Trichloroethane	1.6	U	11	1.6	ppb v/v			06/11/19 20:06	13.17
1,1,2-Trichloroethane	2.7	U	11	2.7	ppb v/v			06/11/19 20:06	13.17
Trichloroethene	**3.0**	**I**	11	1.9	ppb v/v			06/11/19 20:06	13.17
Trichlorofluoromethane	**4.4**	**I**	11	1.3	ppb v/v			06/11/19 20:06	13.17
1,1,2-Trichloro-1,2,2-trifluoroethane	1.6	U	11	1.6	ppb v/v			06/11/19 20:06	13.17
1,2,4-Trimethylbenzene	3.3	U	11	3.3	ppb v/v			06/11/19 20:06	13.17
1,3,5-Trimethylbenzene	3.4	U	11	3.4	ppb v/v			06/11/19 20:06	13.17
Undecane	3.3	U	53	3.3	ppb v/v			06/11/19 20:06	13.17
Vinyl chloride	**370**		21	3.7	ppb v/v			06/11/19 20:06	13.17

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*60 - 140*		*06/11/19 20:06*	*13.17*

Default Detection Limits

Client: Honeywell International Inc
Project/Site: Solitron - Riviera Beach, FL

Job ID: 140-15523-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	PQL	MDL	Units
1,1,1-Trichloroethane	1.1	0.16	ug/m3
1,1,1-Trichloroethane	0.20	0.030	ppb v/v
1,1,2,2-Tetrachloroethane	1.4	0.42	ug/m3
1,1,2,2-Tetrachloroethane	0.20	0.061	ppb v/v
1,1,2-Trichloro-1,2,2-trifluoroethane	1.5	0.24	ug/m3
1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	0.031	ppb v/v
1,1,2-Trichloroethane	1.1	0.28	ug/m3
1,1,2-Trichloroethane	0.20	0.052	ppb v/v
1,1-Dichloroethane	0.81	0.11	ug/m3
1,1-Dichloroethane	0.20	0.026	ppb v/v
1,1-Dichloroethene	0.79	0.13	ug/m3
1,1-Dichloroethene	0.20	0.034	ppb v/v
1,2,4-Trichlorobenzene	7.4	0.73	ug/m3
1,2,4-Trichlorobenzene	1.0	0.098	ppb v/v
1,2,4-Trimethylbenzene	0.98	0.31	ug/m3
1,2,4-Trimethylbenzene	0.20	0.063	ppb v/v
1,2-Dibromoethane (EDB)	1.5	0.34	ug/m3
1,2-Dibromoethane (EDB)	0.20	0.044	ppb v/v
1,2-Dichloro-1,1,2,2-tetrafluoroethane	1.4	0.22	ug/m3
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.20	0.032	ppb v/v
1,2-Dichlorobenzene	2.4	0.42	ug/m3
1,2-Dichlorobenzene	0.40	0.070	ppb v/v
1,2-Dichloroethane	0.81	0.19	ug/m3
1,2-Dichloroethane	0.20	0.047	ppb v/v
1,3,5-Trimethylbenzene	0.98	0.32	ug/m3
1,3,5-Trimethylbenzene	0.20	0.065	ppb v/v
1,3-Dichlorobenzene	1.2	0.39	ug/m3
1,3-Dichlorobenzene	0.20	0.065	ppb v/v
1,4-Dichlorobenzene	1.2	0.38	ug/m3
1,4-Dichlorobenzene	0.20	0.064	ppb v/v
Benzene	0.64	0.18	ug/m3
Benzene	0.20	0.056	ppb v/v
Benzyl chloride	2.1	0.40	ug/m3
Benzyl chloride	0.40	0.078	ppb v/v
Bromomethane	0.78	0.12	ug/m3
Bromomethane	0.20	0.032	ppb v/v
Carbon tetrachloride	1.3	0.24	ug/m3
Carbon tetrachloride	0.20	0.038	ppb v/v
Chlorobenzene	0.92	0.23	ug/m3
Chlorobenzene	0.20	0.049	ppb v/v
Chloroethane	0.53	0.092	ug/m3
Chloroethane	0.20	0.035	ppb v/v
Chloroform	0.98	0.19	ug/m3
Chloroform	0.20	0.038	ppb v/v
Chloromethane	2.1	0.33	ug/m3
Chloromethane	1.0	0.16	ppb v/v
cis-1,2-Dichloroethene	0.79	0.24	ug/m3
cis-1,2-Dichloroethene	0.20	0.060	ppb v/v
cis-1,3-Dichloropropene	1.8	0.34	ug/m3
cis-1,3-Dichloropropene	0.40	0.074	ppb v/v
Dichlorodifluoromethane	0.99	0.34	ug/m3
Dichlorodifluoromethane	0.20	0.068	ppb v/v
Ethylbenzene	0.87	0.30	ug/m3

Default Detection Limits

Client: Honeywell International Inc
Project/Site: Solitron - Riviera Beach, FL

Job ID: 140-15523-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	PQL	MDL	Units
Ethylbenzene	0.20	0.068	ppb v/v
Hexachlorobutadiene	11	0.83	ug/m3
Hexachlorobutadiene	1.0	0.078	ppb v/v
Methylene Chloride	3.5	1.1	ug/m3
Methylene Chloride	1.0	0.32	ppb v/v
m-Xylene & p-Xylene	0.87	0.52	ug/m3
m-Xylene & p-Xylene	0.20	0.12	ppb v/v
o-Xylene	0.87	0.26	ug/m3
o-Xylene	0.20	0.061	ppb v/v
Styrene	0.85	0.25	ug/m3
Styrene	0.20	0.058	ppb v/v
Tetrachloroethene	1.4	0.27	ug/m3
Tetrachloroethene	0.20	0.040	ppb v/v
Toluene	3.8	0.45	ug/m3
Toluene	1.0	0.12	ppb v/v
trans-1,3-Dichloropropene	0.91	0.22	ug/m3
trans-1,3-Dichloropropene	0.20	0.048	ppb v/v
Trichloroethene	1.1	0.19	ug/m3
Trichloroethene	0.20	0.036	ppb v/v
Trichlorofluoromethane	1.1	0.14	ug/m3
Trichlorofluoromethane	0.20	0.025	ppb v/v
Undecane	6.4	0.40	ug/m3
Undecane	1.0	0.062	ppb v/v
Vinyl chloride	1.0	0.18	ug/m3
Vinyl chloride	0.40	0.071	ppb v/v

Surrogate Summary

Client: Honeywell International Inc
Project/Site: Solitron - Riviera Beach, FL

Job ID: 140-15523-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Matrix: Air **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	**Client Sample ID**	**BFB (60-140)**							
140-15523-1	EFFLUENT	115							
LCS 140-30640/1002	Lab Control Sample	117							
MB 140-30640/7	Method Blank	114							

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 140-30640/7
Matrix: Air
Analysis Batch: 30640

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.18	U	0.64	0.18	ug/m3			06/11/19 14:36	1
Benzyl chloride	0.40	U	2.1	0.40	ug/m3			06/11/19 14:36	1
Bromomethane	0.12	U	0.78	0.12	ug/m3			06/11/19 14:36	1
Carbon tetrachloride	0.24	U	1.3	0.24	ug/m3			06/11/19 14:36	1
Chlorobenzene	0.23	U	0.92	0.23	ug/m3			06/11/19 14:36	1
Chloroethane	0.092	U	0.53	0.092	ug/m3			06/11/19 14:36	1
Chloroform	0.19	U	0.98	0.19	ug/m3			06/11/19 14:36	1
Chloromethane	0.33	U	2.1	0.33	ug/m3			06/11/19 14:36	1
cis-1,2-Dichloroethene	0.24	U	0.79	0.24	ug/m3			06/11/19 14:36	1
cis-1,3-Dichloropropene	0.34	U	1.8	0.34	ug/m3			06/11/19 14:36	1
1,2-Dibromoethane (EDB)	0.34	U	1.5	0.34	ug/m3			06/11/19 14:36	1
1,2-Dichlorobenzene	0.42	U	2.4	0.42	ug/m3			06/11/19 14:36	1
1,3-Dichlorobenzene	0.39	U	1.2	0.39	ug/m3			06/11/19 14:36	1
1,4-Dichlorobenzene	0.38	U	1.2	0.38	ug/m3			06/11/19 14:36	1
Dichlorodifluoromethane	0.34	U	0.99	0.34	ug/m3			06/11/19 14:36	1
1,1-Dichloroethane	0.11	U	0.81	0.11	ug/m3			06/11/19 14:36	1
1,2-Dichloroethane	0.19	U	0.81	0.19	ug/m3			06/11/19 14:36	1
1,1-Dichloroethene	0.13	U	0.79	0.13	ug/m3			06/11/19 14:36	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.22	U	1.4	0.22	ug/m3			06/11/19 14:36	1
Ethylbenzene	0.30	U	0.87	0.30	ug/m3			06/11/19 14:36	1
Hexachlorobutadiene	0.83	U	11	0.83	ug/m3			06/11/19 14:36	1
Methylene Chloride	1.1	U	3.5	1.1	ug/m3			06/11/19 14:36	1
m-Xylene & p-Xylene	0.52	U	0.87	0.52	ug/m3			06/11/19 14:36	1
o-Xylene	0.26	U	0.87	0.26	ug/m3			06/11/19 14:36	1
Styrene	0.25	U	0.85	0.25	ug/m3			06/11/19 14:36	1
1,1,2,2-Tetrachloroethane	0.42	U	1.4	0.42	ug/m3			06/11/19 14:36	1
Tetrachloroethene	0.27	U	1.4	0.27	ug/m3			06/11/19 14:36	1
Toluene	0.45	U	3.8	0.45	ug/m3			06/11/19 14:36	1
trans-1,3-Dichloropropene	0.22	U	0.91	0.22	ug/m3			06/11/19 14:36	1
1,2,4-Trichlorobenzene	0.73	U	7.4	0.73	ug/m3			06/11/19 14:36	1
1,1,1-Trichloroethane	0.16	U	1.1	0.16	ug/m3			06/11/19 14:36	1
1,1,2-Trichloroethane	0.28	U	1.1	0.28	ug/m3			06/11/19 14:36	1
Trichloroethene	0.19	U	1.1	0.19	ug/m3			06/11/19 14:36	1
Trichlorofluoromethane	0.14	U	1.1	0.14	ug/m3			06/11/19 14:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.24	U	1.5	0.24	ug/m3			06/11/19 14:36	1
1,2,4-Trimethylbenzene	0.31	U	0.98	0.31	ug/m3			06/11/19 14:36	1
1,3,5-Trimethylbenzene	0.32	U	0.98	0.32	ug/m3			06/11/19 14:36	1
Undecane	0.40	U	6.4	0.40	ug/m3			06/11/19 14:36	1
Vinyl chloride	0.18	U	1.0	0.18	ug/m3			06/11/19 14:36	1

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.056	U	0.20	0.056	ppb v/v			06/11/19 14:36	1
Benzyl chloride	0.078	U	0.40	0.078	ppb v/v			06/11/19 14:36	1
Bromomethane	0.032	U	0.20	0.032	ppb v/v			06/11/19 14:36	1
Carbon tetrachloride	0.038	U	0.20	0.038	ppb v/v			06/11/19 14:36	1
Chlorobenzene	0.049	U	0.20	0.049	ppb v/v			06/11/19 14:36	1
Chloroethane	0.035	U	0.20	0.035	ppb v/v			06/11/19 14:36	1
Chloroform	0.038	U	0.20	0.038	ppb v/v			06/11/19 14:36	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 140-30640/7
Matrix: Air
Analysis Batch: 30640

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	0.16	U	1.0	0.16	ppb v/v			06/11/19 14:36	1
cis-1,2-Dichloroethene	0.060	U	0.20	0.060	ppb v/v			06/11/19 14:36	1
cis-1,3-Dichloropropene	0.074	U	0.40	0.074	ppb v/v			06/11/19 14:36	1
1,2-Dibromoethane (EDB)	0.044	U	0.20	0.044	ppb v/v			06/11/19 14:36	1
1,2-Dichlorobenzene	0.070	U	0.40	0.070	ppb v/v			06/11/19 14:36	1
1,3-Dichlorobenzene	0.065	U	0.20	0.065	ppb v/v			06/11/19 14:36	1
1,4-Dichlorobenzene	0.064	U	0.20	0.064	ppb v/v			06/11/19 14:36	1
Dichlorodifluoromethane	0.068	U	0.20	0.068	ppb v/v			06/11/19 14:36	1
1,1-Dichloroethane	0.026	U	0.20	0.026	ppb v/v			06/11/19 14:36	1
1,2-Dichloroethane	0.047	U	0.20	0.047	ppb v/v			06/11/19 14:36	1
1,1-Dichloroethene	0.034	U	0.20	0.034	ppb v/v			06/11/19 14:36	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.032	U	0.20	0.032	ppb v/v			06/11/19 14:36	1
Ethylbenzene	0.068	U	0.20	0.068	ppb v/v			06/11/19 14:36	1
Hexachlorobutadiene	0.078	U	1.0	0.078	ppb v/v			06/11/19 14:36	1
Methylene Chloride	0.32	U	1.0	0.32	ppb v/v			06/11/19 14:36	1
m-Xylene & p-Xylene	0.12	U	0.20	0.12	ppb v/v			06/11/19 14:36	1
o-Xylene	0.061	U	0.20	0.061	ppb v/v			06/11/19 14:36	1
Styrene	0.058	U	0.20	0.058	ppb v/v			06/11/19 14:36	1
1,1,2,2-Tetrachloroethane	0.061	U	0.20	0.061	ppb v/v			06/11/19 14:36	1
Tetrachloroethene	0.040	U	0.20	0.040	ppb v/v			06/11/19 14:36	1
Toluene	0.12	U	1.0	0.12	ppb v/v			06/11/19 14:36	1
trans-1,3-Dichloropropene	0.048	U	0.20	0.048	ppb v/v			06/11/19 14:36	1
1,2,4-Trichlorobenzene	0.098	U	1.0	0.098	ppb v/v			06/11/19 14:36	1
1,1,1-Trichloroethane	0.030	U	0.20	0.030	ppb v/v			06/11/19 14:36	1
1,1,2-Trichloroethane	0.052	U	0.20	0.052	ppb v/v			06/11/19 14:36	1
Trichloroethene	0.036	U	0.20	0.036	ppb v/v			06/11/19 14:36	1
Trichlorofluoromethane	0.025	U	0.20	0.025	ppb v/v			06/11/19 14:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.031	U	0.20	0.031	ppb v/v			06/11/19 14:36	1
1,2,4-Trimethylbenzene	0.063	U	0.20	0.063	ppb v/v			06/11/19 14:36	1
1,3,5-Trimethylbenzene	0.065	U	0.20	0.065	ppb v/v			06/11/19 14:36	1
Undecane	0.062	U	1.0	0.062	ppb v/v			06/11/19 14:36	1
Vinyl chloride	0.071	U	0.40	0.071	ppb v/v			06/11/19 14:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*60 - 140*		*06/11/19 14:36*	*1*

Lab Sample ID: LCS 140-30640/1002
Matrix: Air
Analysis Batch: 30640

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	6.39	7.00		ug/m3		110	70 - 130
Benzyl chloride	10.4	14.4	J3	ug/m3		140	70 - 130
Bromomethane	7.77	7.21		ug/m3		93	70 - 130
Carbon tetrachloride	12.6	15.2		ug/m3		121	70 - 130
Chlorobenzene	9.21	9.41		ug/m3		102	70 - 130
Chloroethane	5.28	5.06		ug/m3		96	70 - 130
Chloroform	9.77	9.95		ug/m3		102	70 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 140-30640/1002
Matrix: Air
Analysis Batch: 30640

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	4.13	4.06		ug/m3		98	60 - 140
cis-1,2-Dichloroethene	7.93	7.79		ug/m3		98	70 - 130
cis-1,3-Dichloropropene	9.08	10.5		ug/m3		115	70 - 130
1,2-Dibromoethane (EDB)	15.4	16.6		ug/m3		108	70 - 130
1,2-Dichlorobenzene	12.0	12.9		ug/m3		107	70 - 130
1,3-Dichlorobenzene	12.0	12.7		ug/m3		106	70 - 130
1,4-Dichlorobenzene	12.0	12.7		ug/m3		106	70 - 130
Dichlorodifluoromethane	9.89	9.91		ug/m3		100	60 - 140
1,1-Dichloroethane	8.09	7.81		ug/m3		97	70 - 130
1,2-Dichloroethane	8.09	9.21		ug/m3		114	70 - 130
1,1-Dichloroethene	7.93	7.71		ug/m3		97	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	14.0	13.4		ug/m3		96	60 - 140
Ethylbenzene	8.68	9.18		ug/m3		106	70 - 130
Hexachlorobutadiene	21.3	20.2		ug/m3		95	60 - 140
Methylene Chloride	6.95	6.06		ug/m3		87	70 - 130
m-Xylene & p-Xylene	17.4	18.6		ug/m3		107	70 - 130
o-Xylene	8.68	9.13		ug/m3		105	70 - 130
Styrene	8.52	10.5		ug/m3		123	70 - 130
1,1,2,2-Tetrachloroethane	13.7	14.8		ug/m3		108	70 - 130
Tetrachloroethene	13.6	13.6		ug/m3		100	70 - 130
Toluene	7.54	7.69		ug/m3		102	70 - 130
trans-1,3-Dichloropropene	9.08	9.93		ug/m3		109	70 - 130
1,2,4-Trichlorobenzene	14.8	18.3		ug/m3		123	60 - 140
1,1,1-Trichloroethane	10.9	10.8		ug/m3		99	70 - 130
1,1,2-Trichloroethane	10.9	11.1		ug/m3		102	70 - 130
Trichloroethene	10.7	11.4		ug/m3		106	70 - 130
Trichlorofluoromethane	11.2	11.2		ug/m3		99	60 - 140
1,1,2-Trichloro-1,2,2-trifluoroethane	15.3	14.8		ug/m3		96	70 - 130
1,2,4-Trimethylbenzene	9.83	10.7		ug/m3		109	70 - 130
1,3,5-Trimethylbenzene	9.83	11.4		ug/m3		116	70 - 130
Undecane	12.8	13.4		ug/m3		104	60 - 140
Vinyl chloride	5.11	4.99		ug/m3		98	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	2.0	2.19		ppb v/v		110	70 - 130
Benzyl chloride	2.0	2.79	J3	ppb v/v		140	70 - 130
Bromomethane	2.0	1.86		ppb v/v		93	70 - 130
Carbon tetrachloride	2.0	2.41		ppb v/v		121	70 - 130
Chlorobenzene	2.0	2.04		ppb v/v		102	70 - 130
Chloroethane	2.0	1.92		ppb v/v		96	70 - 130
Chloroform	2.0	2.04		ppb v/v		102	70 - 130
Chloromethane	2.0	1.97		ppb v/v		98	60 - 140
cis-1,2-Dichloroethene	2.0	1.96		ppb v/v		98	70 - 130
cis-1,3-Dichloropropene	2.0	2.30		ppb v/v		115	70 - 130
1,2-Dibromoethane (EDB)	2.0	2.16		ppb v/v		108	70 - 130
1,2-Dichlorobenzene	2.0	2.14		ppb v/v		107	70 - 130
1,3-Dichlorobenzene	2.0	2.11		ppb v/v		106	70 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 140-30640/1002
Matrix: Air
Analysis Batch: 30640

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	2.0	2.11		ppb v/v		106	70 - 130
Dichlorodifluoromethane	2.0	2.00		ppb v/v		100	60 - 140
1,1-Dichloroethane	2.0	1.93		ppb v/v		97	70 - 130
1,2-Dichloroethane	2.0	2.28		ppb v/v		114	70 - 130
1,1-Dichloroethene	2.0	1.94		ppb v/v		97	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	2.0	1.92		ppb v/v		96	60 - 140
Ethylbenzene	2.0	2.11		ppb v/v		106	70 - 130
Hexachlorobutadiene	2.0	1.90		ppb v/v		95	60 - 140
Methylene Chloride	2.0	1.74		ppb v/v		87	70 - 130
m-Xylene & p-Xylene	4.0	4.29		ppb v/v		107	70 - 130
o-Xylene	2.0	2.10		ppb v/v		105	70 - 130
Styrene	2.0	2.47		ppb v/v		123	70 - 130
1,1,2,2-Tetrachloroethane	2.0	2.15		ppb v/v		108	70 - 130
Tetrachloroethene	2.0	2.00		ppb v/v		100	70 - 130
Toluene	2.0	2.04		ppb v/v		102	70 - 130
trans-1,3-Dichloropropene	2.0	2.19		ppb v/v		109	70 - 130
1,2,4-Trichlorobenzene	2.0	2.47		ppb v/v		123	60 - 140
1,1,1-Trichloroethane	2.0	1.98		ppb v/v		99	70 - 130
1,1,2-Trichloroethane	2.0	2.04		ppb v/v		102	70 - 130
Trichloroethene	2.0	2.12		ppb v/v		106	70 - 130
Trichlorofluoromethane	2.0	1.98		ppb v/v		99	60 - 140
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	1.93		ppb v/v		96	70 - 130
1,2,4-Trimethylbenzene	2.0	2.18		ppb v/v		109	70 - 130
1,3,5-Trimethylbenzene	2.0	2.31		ppb v/v		116	70 - 130
Undecane	2.0	2.09		ppb v/v		104	60 - 140
Vinyl chloride	2.0	1.95		ppb v/v		98	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*60 - 140*

QC Association Summary

Client: Honeywell International Inc
Project/Site: Solitron - Riviera Beach, FL

Job ID: 140-15523-1

Air - GC/MS VOA

Analysis Batch: 30640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-15523-1	EFFLUENT	Total/NA	Air	TO-15	
MB 140-30640/7	Method Blank	Total/NA	Air	TO-15	
LCS 140-30640/1002	Lab Control Sample	Total/NA	Air	TO-15	

Lab Chronicle

Client: Honeywell International Inc
Project/Site: Solitron - Riviera Beach, FL

Job ID: 140-15523-1

Client Sample ID: EFFLUENT

Lab Sample ID: 140-15523-1
Date Collected: 06/07/19 10:20
Matrix: Air
Date Received: 06/08/19 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		13.17	50 mL	500 mL	30640	06/11/19 20:06	S1K	TAL KNX
	Instrument ID: MG									

Client Sample ID: Method Blank

Lab Sample ID: MB 140-30640/7
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	200 mL	500 mL	30640	06/11/19 14:36	S1K	TAL KNX
	Instrument ID: MG									

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 140-30640/1002
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	500 mL	500 mL	30640	06/11/19 11:45	S1K	TAL KNX
	Instrument ID: MG									

Laboratory References:

TAL KNX = Eurofins TestAmerica, Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Accreditation/Certification Summary

Client: Honeywell International Inc
Project/Site: Solitron - Riviera Beach, FL

Job ID: 140-15523-1

Laboratory: Eurofins TestAmerica, Knoxville

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
	AFCEE		N/A	
ANAB	DoD		L2311	02-13-22
ANAB	DoD		L2311.01	02-13-22
Arkansas DEQ	State Program	6	88-0688	06-16-20
California	State Program	9	2423	06-30-19
Colorado	State Program	8	TN00009	02-28-20
Connecticut	State Program	1	PH-0223	09-30-19
Florida	NELAP	4	E87177	06-30-19
Georgia	State Program	4	906	04-13-20
Hawaii	State Program	9	N/A	04-13-20
Kansas	NELAP	7	E-10349	10-31-19
Kentucky (DW)	State Program	4	90101	12-31-19
Louisiana	NELAP	6	83979	06-30-19
Louisiana (DW)	NELAP	6	LA160005	12-31-19
Maryland	State Program	3	277	03-31-20
Michigan	State Program	5	9933	04-13-20
Nevada	State Program	9	TN00009	07-31-19
New Hampshire	NELAP	1	2999	01-17-20
New Jersey	NELAP	2	TN001	06-30-19
New York	NELAP	2	10781	03-31-20
North Carolina (DW)	State Program	4	21705	07-31-19
North Carolina (WW/SW)	State Program	4	64	12-31-19
Ohio VAP	State Program	5	CL0059	08-28-20
Oklahoma	State Program	6	9415	08-31-19
Oregon	NELAP	10	TNI0189	06-30-19
Pennsylvania	NELAP	3	68-00576	12-31-19
Tennessee	State Program	4	2014	04-13-20
Texas	NELAP	6	T104704380-16-9	08-31-19
US Fish & Wildlife	Federal		LE-058448-0	07-31-19
USDA	Federal		P330-16-00262	08-20-19
Utah	NELAP	8	TN00009	07-31-19
Virginia	NELAP	3	460176	09-14-19
Washington	State Program	10	C593	01-19-20
West Virginia (DW)	State Program	3	9955C	12-31-19
West Virginia DEP	State Program	3	345	04-30-20
Wisconsin	State Program	5	998044300	08-31-19

Laboratory: Eurofins TestAmerica, Tampa

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Florida	NELAP	4	E84282	06-30-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Honeywell International Inc
Project/Site: Solitron - Riviera Beach, FL

Job ID: 140-15523-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	TAL KNX

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL KNX = Eurofins TestAmerica, Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Sample Summary

Client: Honeywell International Inc
Project/Site: Solitron - Riviera Beach, FL

Job ID: 140-15523-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
140-15523-1	EFFLUENT	Air	06/07/19 10:20	06/08/19 09:30	Air Canister (1-Liter) #11258

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

Canister Samples Chain of Custody Record

TestAmerica assumes no liability with respect to the collection and shipment of these samples.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information
Company: ARCADIS
Address: 1500 GATEWAY BLVD STE 200
City/State/Zip Boynton Beach, FL 33426
Phone: 561-697-7000
FAX:
Project Name: Solitron Riviera Beach
Site/location: Riviera Beach FL
PO # B0052908.0018.00001

Project Manager: John Perella
Phone: 813-353-5794
Site Contact:
TAL Contact:

Analysis Turnaround Time
Standard (Specify)
Rush (Specify)

140-15523 Chain of Custody

Sampled By: Brian Fox

1 of 1 COCs

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
EFFLUENT	6/7/19	1015	1020	-30	Ø	9018	11258	X											X

Sampled by :

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

Received @ ambient, 1 box
Fedex po, Custody seal intact
trK# 7877 5111 4857
KL 6/8/19

Special Instructions/QC Requirements & Comments:

Air stripper

Canisters Shipped by:	Date/Time: 6/7/19 1630	Canisters Received by: 6/8/19 0930 TAKno	1 cdn 1 KR
Samples Relinquished by:	Date/Time:	Received by:	
Relinquished by:	Date/Time:	Received by:	

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

Loc: 140

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST **Log In Number:** 15523

Review Items	Yes	No	NA	If No, what was the problem?
1. Are the shipping containers intact?	/			☐ **Containers, Broken**
2. Were ambient air containers received intact?			/	☑ Checked in lab
3. The coolers/containers custody seal if present, is it intact?	/			☐ Yes ☐ NA
4. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C, VOST: 10°C) Thermometer ID :_____ Correction factor: _____			/	☐ **Cooler Out of Temp, Client Contacted, Proceed/Cancel** ☐ **Cooler Out of Temp, Same Day Receipt**
5. Were all of the sample containers received intact?	/			☐ **Containers, Broken**
6. Were samples received in appropriate containers?	/			☐ **Containers, Improper; Client Contacted; Proceed/Cancel**
7. Do sample container labels match COC? (IDs, Dates, Times)	/			☐ **COC & Samples Do Not Match** ☐ **COC Incorrect/Incomplete** ☐ **COC Not Received**
8. Were all of the samples listed on the COC received?	/			☐ **Sample Received, Not on COC** ☐ **Sample on COC, Not Received**
9. Is the date/time of sample collection noted?	/			☐ **COC; No Date/Time; Client Contacted**
10. Was the sampler identified on the COC?	/			☐ **Sampler Not Listed on COC**
11. Is the client and project name/# identified?	/			☐ **COC Incorrect/Incomplete**
12. Are tests/parameters listed for each sample?	/			☐ **COC No tests on COC**
13. Is the matrix of the samples noted?	/			☐ **COC Incorrect/Incomplete**
14. Was COC relinquished? (Signed/Dated/Timed)	/			☐ **COC Incorrect/Incomplete**
15. Were samples received within holding time?	/			☐ **Holding Time - Receipt**
16. Were samples received with correct chemical preservative (excluding Encore)?			/	☐ **pH Adjusted, pH Included (See box 16A)** ☐ **Incorrect Preservative**
17. Were VOA samples received without headspace?			/	☐ **Headspace (VOA only)**
18. Did you check for residual chlorine, if necessary? (e.g. 1613B, 1668) Chlorine test strip lot number: _____			/	☐ **Residual Chlorine**
19. For 1613B water samples is pH<9?			/	☐ If no, notify lab to adjust
20. For rad samples was sample activity info. Provided?			/	☐ Project missing info

Comments/Actions Taken

Labeling Verified by: **Date:**

pH test strip lot number:

	Box 16A: pH Preservation	Box 18A: Residual Chlorine
Preservative:		
Lot Number:		
Exp Date:		
Analyst:		
Date:		
Time:		

Project #: 66002759 PM Instructions: _____

Sample Receiving Associate: [signature] Date: 6/18/19

QA026R31.doc, 112618

TestAmerica Knoxville - Air Canister Initial Pressure Check

Gauge ID: G5
Date: 6/8/2019

Analyst	Sample ID	Asset #	Cleaning Job	Cert	Size (L)	Pressure @ Receipt (-in Hg or +psig)	Time	Comments
afb	140-15523-A-1	11258	14883	b	1	-1.5	1535	

□ Receiving –Air Can –Calve Open (NCM #_____)
□ Air - Can P -24 to -25 " - Flow Contr. Works (NCM#_____)
□ Air - Can P -24 to -25 " - Flow Contr. Faulty (NCM#_____)
□ Air - Can P Out -26" - Flow Contr. Works (NCM#_____)
□ Air - Can P Out -26" - Flow Contr. Faulty (NCM#_____)
□ Air - Can P Low -24 to -25 " - Grab Sample (NCM#_____)
□ Air - Can P Low -26 "- Grab Sample (NCM#_____)

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 660-95022-1
Client Project/Site: Solitron

For:
Honeywell International Inc
Remediation & Evaluation Services
115 Tabor Road
Morris Plains, New Jersey 07950

Attn: Prashant Gupta

Bethany McDaniel

Authorized for release by:
6/13/2019 8:21:44 PM

Bethany McDaniel, Senior Project Manager
(713)358-2005
bethany.mcdaniel@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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

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

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

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Sample Summary

Client: Honeywell International Inc
Project/Site: Solitron

Job ID: 660-95022-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
660-95022-1	Influent	Water	06/07/19 10:00	06/08/19 09:40	
660-95022-2	Effluent	Water	06/07/19 10:05	06/08/19 09:40	

Case Narrative

Client: Honeywell International Inc
Project/Site: Solitron

Job ID: 660-95022-1

Job ID: 660-95022-1

Laboratory: Eurofins TestAmerica, Tampa

Narrative

Job Narrative
660-95022-1

Comments
No additional comments.

Receipt
The samples were received on 6/8/2019 9:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.3º C.

GC/MS VOA
Method(s) 8260B: The following sample was diluted to bring the concentration of target analytes within the calibration range: Influent. Elevated reporting limits (RLs) are provided.

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

Definitions/Glossary

Client: Honeywell International Inc
Project/Site: Solitron

Job ID: 660-95022-1

Qualifiers

GC/MS VOA

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

Glossary

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

Detection Summary

Client: Honeywell International Inc
Project/Site: Solitron

Job ID: 660-95022-1

Client Sample ID: Influent — Lab Sample ID: 660-95022-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	11		5.0	1.3	ug/L	5		8260B	Total/NA
Chlorobenzene	120		5.0	1.3	ug/L	5		8260B	Total/NA
1,2-Dichlorobenzene	36		5.0	1.2	ug/L	5		8260B	Total/NA
1,1-Dichloroethene	4.1	I	5.0	1.3	ug/L	5		8260B	Total/NA
Ethylbenzene	2.9	I	5.0	1.4	ug/L	5		8260B	Total/NA
trans-1,2-Dichloroethene	8.6	I	10	1.9	ug/L	5		8260B	Total/NA
Trichloroethene	8.3	I	10	3.1	ug/L	5		8260B	Total/NA
Vinyl chloride	380		5.0	1.3	ug/L	5		8260B	Total/NA
cis-1,2-Dichloroethene - DL	1200		50	16	ug/L	50		8260B	Total/NA

Client Sample ID: Effluent — Lab Sample ID: 660-95022-2

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Honeywell International Inc
Project/Site: Solitron

Job ID: 660-95022-1

Client Sample ID: Influent

Lab Sample ID: 660-95022-1

Date Collected: 06/07/19 10:00
Matrix: Water
Date Received: 06/08/19 09:40

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**11**		5.0	1.3	ug/L			06/12/19 18:36	5
Chlorobenzene	**120**		5.0	1.3	ug/L			06/12/19 18:36	5
Chloroform	1.4	U	5.0	1.4	ug/L			06/12/19 18:36	5
1,2-Dichlorobenzene	**36**		5.0	1.2	ug/L			06/12/19 18:36	5
1,3-Dichlorobenzene	1.3	U	5.0	1.3	ug/L			06/12/19 18:36	5
1,4-Dichlorobenzene	1.1	U	5.0	1.1	ug/L			06/12/19 18:36	5
1,1-Dichloroethane	1.6	U	5.0	1.6	ug/L			06/12/19 18:36	5
1,1-Dichloroethene	**4.1**	**I**	5.0	1.3	ug/L			06/12/19 18:36	5
Ethylbenzene	**2.9**	**I**	5.0	1.4	ug/L			06/12/19 18:36	5
Tetrachloroethene	2.5	U	10	2.5	ug/L			06/12/19 18:36	5
Toluene	1.2	U	5.0	1.2	ug/L			06/12/19 18:36	5
trans-1,2-Dichloroethene	**8.6**	**I**	10	1.9	ug/L			06/12/19 18:36	5
Trichloroethene	**8.3**	**I**	10	3.1	ug/L			06/12/19 18:36	5
Vinyl chloride	**380**		5.0	1.3	ug/L			06/12/19 18:36	5
Xylenes, Total	2.5	U	20	2.5	ug/L			06/12/19 18:36	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*70 - 130*		*06/12/19 18:36*	*5*
Dibromofluoromethane	*95*		*70 - 130*		*06/12/19 18:36*	*5*
Toluene-d8 (Surr)	*97*		*70 - 130*		*06/12/19 18:36*	*5*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**1200**		50	16	ug/L			06/12/19 18:16	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*70 - 130*		*06/12/19 18:16*	*50*
Dibromofluoromethane	*97*		*70 - 130*		*06/12/19 18:16*	*50*
Toluene-d8 (Surr)	*98*		*70 - 130*		*06/12/19 18:16*	*50*

Client Sample ID: Effluent

Lab Sample ID: 660-95022-2

Date Collected: 06/07/19 10:05
Matrix: Water
Date Received: 06/08/19 09:40

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			06/12/19 13:00	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			06/12/19 13:00	1
Chloroform	0.29	U	1.0	0.29	ug/L			06/12/19 13:00	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			06/12/19 13:00	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			06/12/19 13:00	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			06/12/19 13:00	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			06/12/19 13:00	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			06/12/19 13:00	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			06/12/19 13:00	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			06/12/19 13:00	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			06/12/19 13:00	1
Toluene	0.24	U	1.0	0.24	ug/L			06/12/19 13:00	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			06/12/19 13:00	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			06/12/19 13:00	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			06/12/19 13:00	1

Client Sample Results

Client: Honeywell International Inc
Project/Site: Solitron

Job ID: 660-95022-1

Client Sample ID: Effluent

Lab Sample ID: 660-95022-2

Date Collected: 06/07/19 10:05

Matrix: Water

Date Received: 06/08/19 09:40

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	0.50	U	4.0	0.50	ug/L			06/12/19 13:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 130*		*06/12/19 13:00*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*06/12/19 13:00*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*06/12/19 13:00*	*1*

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

Lab Sample ID: MB 660-211663/7
Matrix: Water
Analysis Batch: 211663

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			06/12/19 12:25	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			06/12/19 12:25	1
Chloroform	0.29	U	1.0	0.29	ug/L			06/12/19 12:25	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			06/12/19 12:25	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			06/12/19 12:25	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			06/12/19 12:25	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			06/12/19 12:25	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			06/12/19 12:25	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			06/12/19 12:25	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			06/12/19 12:25	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			06/12/19 12:25	1
Toluene	0.24	U	1.0	0.24	ug/L			06/12/19 12:25	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			06/12/19 12:25	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			06/12/19 12:25	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			06/12/19 12:25	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			06/12/19 12:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*70 - 130*		*06/12/19 12:25*	*1*
Dibromofluoromethane	*99*		*70 - 130*		*06/12/19 12:25*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*06/12/19 12:25*	*1*

Lab Sample ID: LCS 660-211663/4
Matrix: Water
Analysis Batch: 211663

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	10.0	9.64		ug/L		96	66 - 131
Chlorobenzene	10.0	10.3		ug/L		103	67 - 130
Chloroform	10.0	9.50		ug/L		95	77 - 119
cis-1,2-Dichloroethene	10.0	10.2		ug/L		102	69 - 133
1,2-Dichlorobenzene	10.0	10.5		ug/L		105	69 - 133
1,3-Dichlorobenzene	10.0	10.5		ug/L		105	68 - 130
1,4-Dichlorobenzene	10.0	10.4		ug/L		104	69 - 133
1,1-Dichloroethane	10.0	9.71		ug/L		97	68 - 130
1,1-Dichloroethene	10.0	9.88		ug/L		99	62 - 133
Ethylbenzene	10.0	10.6		ug/L		106	77 - 117
Tetrachloroethene	10.0	9.12		ug/L		91	59 - 130
Toluene	10.0	9.48		ug/L		95	71 - 119
trans-1,2-Dichloroethene	10.0	9.82		ug/L		98	67 - 130
Trichloroethene	10.0	9.69		ug/L		97	65 - 130
Vinyl chloride	10.0	9.39		ug/L		94	59 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*70 - 130*
Dibromofluoromethane	*96*		*70 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*

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

Lab Sample ID: 680-169932-G-10 MS
Matrix: Water
Analysis Batch: 211663

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.25	U	10.0	10.8		ug/L		108	66 - 131
Chlorobenzene	0.27	U	10.0	11.0		ug/L		110	67 - 130
Chloroform	0.29	U	10.0	10.6		ug/L		106	77 - 119
cis-1,2-Dichloroethene	2.7		10.0	13.0		ug/L		103	69 - 133
1,2-Dichlorobenzene	0.24	U	10.0	11.4		ug/L		114	69 - 133
1,3-Dichlorobenzene	0.26	U	10.0	11.1		ug/L		111	68 - 130
1,4-Dichlorobenzene	0.22	U	10.0	11.2		ug/L		112	69 - 133
1,1-Dichloroethane	0.32	U	10.0	11.2		ug/L		112	68 - 130
1,1-Dichloroethene	0.26	U	10.0	11.6		ug/L		116	62 - 133
Ethylbenzene	0.27	U	10.0	11.7		ug/L		117	77 - 117
Tetrachloroethene	0.50	U	10.0	10.4		ug/L		104	59 - 130
Toluene	0.77	I	10.0	11.2		ug/L		104	71 - 119
trans-1,2-Dichloroethene	0.39	U	10.0	11.1		ug/L		111	67 - 130
Trichloroethene	0.61	U	10.0	10.9		ug/L		109	65 - 130
Vinyl chloride	2.6		10.0	12.5		ug/L		99	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*70 - 130*
Dibromofluoromethane	*94*		*70 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*

Lab Sample ID: 660-95022-2 DU
Matrix: Water
Analysis Batch: 211663

Client Sample ID: Effluent
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Benzene	0.25	U	0.25	U	ug/L		NC	30
Chlorobenzene	0.27	U	0.27	U	ug/L		NC	30
Chloroform	0.29	U	0.29	U	ug/L		NC	30
cis-1,2-Dichloroethene	0.32	U	0.32	U	ug/L		NC	30
1,2-Dichlorobenzene	0.24	U	0.24	U	ug/L		NC	30
1,3-Dichlorobenzene	0.26	U	0.26	U	ug/L		NC	30
1,4-Dichlorobenzene	0.22	U	0.22	U	ug/L		NC	30
1,1-Dichloroethane	0.32	U	0.32	U	ug/L		NC	30
1,1-Dichloroethene	0.26	U	0.26	U	ug/L		NC	30
Ethylbenzene	0.27	U	0.27	U	ug/L		NC	30
Tetrachloroethene	0.50	U	0.50	U	ug/L		NC	30
Toluene	0.24	U	0.24	U	ug/L		NC	30
trans-1,2-Dichloroethene	0.39	U	0.39	U	ug/L		NC	30
Trichloroethene	0.61	U	0.61	U	ug/L		NC	30
Vinyl chloride	0.26	U	0.26	U	ug/L		NC	30
Xylenes, Total	0.50	U	0.50	U	ug/L		NC	30

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene	*94*		*70 - 130*
Dibromofluoromethane	*98*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

QC Association Summary

Client: Honeywell International Inc
Project/Site: Solitron

Job ID: 660-95022-1

GC/MS VOA

Analysis Batch: 211663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-95022-1 - DL	Influent	Total/NA	Water	8260B	
660-95022-1	Influent	Total/NA	Water	8260B	
660-95022-2	Effluent	Total/NA	Water	8260B	
MB 660-211663/7	Method Blank	Total/NA	Water	8260B	
LCS 660-211663/4	Lab Control Sample	Total/NA	Water	8260B	
680-169932-G-10 MS	Matrix Spike	Total/NA	Water	8260B	
660-95022-2 DU	Effluent	Total/NA	Water	8260B	

Lab Chronicle

Client: Honeywell International Inc
Project/Site: Solitron

Job ID: 660-95022-1

Client Sample ID: Influent

Lab Sample ID: 660-95022-1

Date Collected: 06/07/19 10:00

Matrix: Water

Date Received: 06/08/19 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	50	211663	06/12/19 18:16	K1P	TAL TAM
Total/NA	Analysis	8260B		5	211663	06/12/19 18:36	K1P	TAL TAM

Client Sample ID: Effluent

Lab Sample ID: 660-95022-2

Date Collected: 06/07/19 10:05

Matrix: Water

Date Received: 06/08/19 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	211663	06/12/19 13:00	K1P	TAL TAM

Laboratory References:

TAL TAM = Eurofins TestAmerica, Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Method Summary

Client: Honeywell International Inc
Project/Site: Solitron

Job ID: 660-95022-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
5030B	Purge and Trap	SW846	TAL TAM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = Eurofins TestAmerica, Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Accreditation/Certification Summary

Client: Honeywell International Inc
Project/Site: Solitron

Job ID: 660-95022-1

Laboratory: Eurofins TestAmerica, Tampa

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Florida	NELAP	4	E84282	06-30-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Chain of Custody Record

TestAmerica

Client Information	Sampler: Brian Fox	Lab PM: Vergin, Debra	Carrier Tracking No(s): 660325- Ft Lauderdale	COC No: 660-77773-21074.1
Client Contact: John Perella	Phone: 561-866-2747	E-Mail: debra.vergin@testamericainc.com		Page: Page 1 of 1
Company: ARCADIS U.S. Inc				Job #:
Address: 3109 W. Dr. Martin Luther King Jr. Blvd. Suite 350	Due Date Requested:			
City: Tampa	TAT Requested (days): STANDARD			
State, Zip: FL, 33607				
Phone: 804-530-6211(Tel)	PO #: 4400038537			
Email: jperella@arcadis-us.com	WO #:			
Project Name: Honeywell Solitron	Project #: 66002759			
Site: Florida	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B ~~[illegible]~~ VOC	Total Number of containers	Special Instructions/Note:
			Preservation Code				A		
Influent	6/7/19	1000	G	Water			X	3	
Effluent	↓	1005	↓	Water			X	3	
				Water					

Loc: 660
95022
660-95022 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	6/7/19 1630	Arcadis	[signature]	6-8-19 @ 0940	TA TAM

Custody Seals Intact: ☒ Yes ☐ No
Custody Seal No.: 709521
Cooler Temperature(s) °C and Other Remarks: 2.2/2.3 CU-09

Ver: 08/04/2016

660325- Ft Lauderdale

Login Sample Receipt Checklist

Client: Honeywell International Inc

Job Number: 660-95022-1

Login Number: 95022

List Source: Eurofins TestAmerica, Tampa

List Number: 1

Creator: Redding, Charles S

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

SEPTEMBER 2019

SYSTEM

~ AIR:

J16802-1 UDS Level 2 Report Final Report

~ GROUNDWATER:

J97603-1 UDS Level 2 Report Final Report

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
Tel: (865)291-3000

Laboratory Job ID: 140-16802-1
Client Project/Site: Solitron 09/27/19 AIR

For:
Honeywell International Inc
Remediation & Evaluation Services
115 Tabor Road
Morris Plains, New Jersey 07950

Attn: Prashant Gupta

Bethany McDaniel

Authorized for release by:
10/4/2019 11:46:53 AM

Bethany McDaniel, Senior Project Manager
(713)358-2005
bethany.mcdaniel@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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

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

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

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Definitions/Glossary

Client: Honeywell International Inc
Project/Site: Solitron 09/27/19 AIR

Job ID: 140-16802-1

Qualifiers

Air - GC/MS VOA

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

Glossary

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

Job ID: 140-16802-1

Laboratory: Eurofins TestAmerica, Knoxville

Narrative

Job Narrative
140-16802-1

Comments
No additional comments.

Receipt
The sample was received on 9/30/2019 10:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice.

Air - GC/MS VOA
Method(s) TO 15 LL, TO-14A, TO-15: EPA methods TO-14A and TO-15 specify the use of humidified "zero air" as the blank reagent for canister cleaning, instrument calibration and sample analysis. Ultra-high purity humidified nitrogen from a cryogenic reservoir is used in place of "zero air" by Eurofins TestAmerica Knoxville.

Method(s) TO 15 LL, TO-15: The method blank MB 140-33982/5 for batch 140-33982 contained Methylene Chloride above the method detection limit (MDL) but less than the reporting limit (RL).

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

Detection Summary

Client: Honeywell International Inc
Project/Site: Solitron 09/27/19 AIR

Job ID: 140-16802-1

Client Sample ID: EFFLUENT

Lab Sample ID: 140-16802-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	26		9.9	2.8	ug/m3	3.1		TO-15	Total/NA
Chlorobenzene	50		14	3.5	ug/m3	3.1		TO-15	Total/NA
cis-1,2-Dichloroethene	1100		12	3.7	ug/m3	3.1		TO-15	Total/NA
1,1-Dichloroethene	3.9	I	12	2.1	ug/m3	3.1		TO-15	Total/NA
Methylene Chloride	23	I	54	17	ug/m3	3.1		TO-15	Total/NA
m-Xylene & p-Xylene	8.2	I	13	8.1	ug/m3	3.1		TO-15	Total/NA
Tetrachloroethene	4.8	I	21	4.2	ug/m3	3.1		TO-15	Total/NA
Trichloroethene	33		17	3.0	ug/m3	3.1		TO-15	Total/NA
Vinyl chloride	670		16	2.8	ug/m3	3.1		TO-15	Total/NA

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	8.1		3.1	0.87	ppb v/v	3.1		TO-15	Total/NA
Chlorobenzene	11		3.1	0.76	ppb v/v	3.1		TO-15	Total/NA
cis-1,2-Dichloroethene	280		3.1	0.93	ppb v/v	3.1		TO-15	Total/NA
1,1-Dichloroethene	0.98	I	3.1	0.53	ppb v/v	3.1		TO-15	Total/NA
Methylene Chloride	6.5	I	15	5.0	ppb v/v	3.1		TO-15	Total/NA
m-Xylene & p-Xylene	1.9	I	3.1	1.9	ppb v/v	3.1		TO-15	Total/NA
Tetrachloroethene	0.71	I	3.1	0.62	ppb v/v	3.1		TO-15	Total/NA
Trichloroethene	6.2		3.1	0.56	ppb v/v	3.1		TO-15	Total/NA
Vinyl chloride	260		6.2	1.1	ppb v/v	3.1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Honeywell International Inc
Project/Site: Solitron 09/27/19 AIR

Job ID: 140-16802-1

Client Sample ID: EFFLUENT

Date Collected: 09/27/19 16:30
Date Received: 09/30/19 10:00

Lab Sample ID: 140-16802-1

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**26**		9.9	2.8	ug/m3			10/01/19 05:52	3.1
Benzyl chloride	6.3	U	32	6.3	ug/m3			10/01/19 05:52	3.1
Bromomethane	1.9	U	12	1.9	ug/m3			10/01/19 05:52	3.1
Carbon tetrachloride	3.7	U	20	3.7	ug/m3			10/01/19 05:52	3.1
Chlorobenzene	**50**		14	3.5	ug/m3			10/01/19 05:52	3.1
Chloroethane	1.4	U	8.2	1.4	ug/m3			10/01/19 05:52	3.1
Chloroform	2.9	U	15	2.9	ug/m3			10/01/19 05:52	3.1
Chloromethane	5.1	U	32	5.1	ug/m3			10/01/19 05:52	3.1
cis-1,2-Dichloroethene	**1100**		12	3.7	ug/m3			10/01/19 05:52	3.1
cis-1,3-Dichloropropene	5.2	U	28	5.2	ug/m3			10/01/19 05:52	3.1
1,2-Dibromoethane (EDB)	5.2	U	24	5.2	ug/m3			10/01/19 05:52	3.1
1,2-Dichlorobenzene	6.5	U	37	6.5	ug/m3			10/01/19 05:52	3.1
1,3-Dichlorobenzene	6.1	U	19	6.1	ug/m3			10/01/19 05:52	3.1
1,4-Dichlorobenzene	6.0	U	19	6.0	ug/m3			10/01/19 05:52	3.1
Dichlorodifluoromethane	5.2	U	15	5.2	ug/m3			10/01/19 05:52	3.1
1,1-Dichloroethane	1.6	U	13	1.6	ug/m3			10/01/19 05:52	3.1
1,2-Dichloroethane	2.9	U	13	2.9	ug/m3			10/01/19 05:52	3.1
1,1-Dichloroethene	**3.9**	**I**	12	2.1	ug/m3			10/01/19 05:52	3.1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	3.5	U	22	3.5	ug/m3			10/01/19 05:52	3.1
Ethylbenzene	4.6	U	13	4.6	ug/m3			10/01/19 05:52	3.1
Hexachlorobutadiene	13	U	170	13	ug/m3			10/01/19 05:52	3.1
Methylene Chloride	**23**	**I**	54	17	ug/m3			10/01/19 05:52	3.1
m-Xylene & p-Xylene	**8.2**	**I**	13	8.1	ug/m3			10/01/19 05:52	3.1
o-Xylene	4.1	U	13	4.1	ug/m3			10/01/19 05:52	3.1
Styrene	3.8	U	13	3.8	ug/m3			10/01/19 05:52	3.1
1,1,2,2-Tetrachloroethane	6.5	U	21	6.5	ug/m3			10/01/19 05:52	3.1
Tetrachloroethene	**4.8**	**I**	21	4.2	ug/m3			10/01/19 05:52	3.1
Toluene	7.0	U	58	7.0	ug/m3			10/01/19 05:52	3.1
trans-1,3-Dichloropropene	3.4	U	14	3.4	ug/m3			10/01/19 05:52	3.1
1,2,4-Trichlorobenzene	11	U	120	11	ug/m3			10/01/19 05:52	3.1
1,1,1-Trichloroethane	2.5	U	17	2.5	ug/m3			10/01/19 05:52	3.1
1,1,2-Trichloroethane	4.4	U	17	4.4	ug/m3			10/01/19 05:52	3.1
Trichloroethene	**33**		17	3.0	ug/m3			10/01/19 05:52	3.1
Trichlorofluoromethane	2.2	U	17	2.2	ug/m3			10/01/19 05:52	3.1
1,1,2-Trichloro-1,2,2-trifluoroethane	3.7	U	24	3.7	ug/m3			10/01/19 05:52	3.1
1,2,4-Trimethylbenzene	4.8	U	15	4.8	ug/m3			10/01/19 05:52	3.1
1,3,5-Trimethylbenzene	5.0	U	15	5.0	ug/m3			10/01/19 05:52	3.1
Undecane	6.1	U	99	6.1	ug/m3			10/01/19 05:52	3.1
Vinyl chloride	**670**		16	2.8	ug/m3			10/01/19 05:52	3.1

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**8.1**		3.1	0.87	ppb v/v			10/01/19 05:52	3.1
Benzyl chloride	1.2	U	6.2	1.2	ppb v/v			10/01/19 05:52	3.1
Bromomethane	0.50	U	3.1	0.50	ppb v/v			10/01/19 05:52	3.1
Carbon tetrachloride	0.59	U	3.1	0.59	ppb v/v			10/01/19 05:52	3.1
Chlorobenzene	**11**		3.1	0.76	ppb v/v			10/01/19 05:52	3.1
Chloroethane	0.54	U	3.1	0.54	ppb v/v			10/01/19 05:52	3.1
Chloroform	0.59	U	3.1	0.59	ppb v/v			10/01/19 05:52	3.1
Chloromethane	2.5	U	15	2.5	ppb v/v			10/01/19 05:52	3.1
cis-1,2-Dichloroethene	**280**		3.1	0.93	ppb v/v			10/01/19 05:52	3.1

Client Sample Results

Client: Honeywell International Inc
Project/Site: Solitron 09/27/19 AIR

Job ID: 140-16802-1

Client Sample ID: EFFLUENT

Lab Sample ID: 140-16802-1

Date Collected: 09/27/19 16:30
Date Received: 09/30/19 10:00

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	1.1	U	6.2	1.1	ppb v/v			10/01/19 05:52	3.1
1,2-Dibromoethane (EDB)	0.68	U	3.1	0.68	ppb v/v			10/01/19 05:52	3.1
1,2-Dichlorobenzene	1.1	U	6.2	1.1	ppb v/v			10/01/19 05:52	3.1
1,3-Dichlorobenzene	1.0	U	3.1	1.0	ppb v/v			10/01/19 05:52	3.1
1,4-Dichlorobenzene	0.99	U	3.1	0.99	ppb v/v			10/01/19 05:52	3.1
Dichlorodifluoromethane	1.1	U	3.1	1.1	ppb v/v			10/01/19 05:52	3.1
1,1-Dichloroethane	0.40	U	3.1	0.40	ppb v/v			10/01/19 05:52	3.1
1,2-Dichloroethane	0.73	U	3.1	0.73	ppb v/v			10/01/19 05:52	3.1
1,1-Dichloroethene	**0.98**	**I**	3.1	0.53	ppb v/v			10/01/19 05:52	3.1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.50	U	3.1	0.50	ppb v/v			10/01/19 05:52	3.1
Ethylbenzene	1.1	U	3.1	1.1	ppb v/v			10/01/19 05:52	3.1
Hexachlorobutadiene	1.2	U	15	1.2	ppb v/v			10/01/19 05:52	3.1
Methylene Chloride	**6.5**	**I**	15	5.0	ppb v/v			10/01/19 05:52	3.1
m-Xylene & p-Xylene	**1.9**	**I**	3.1	1.9	ppb v/v			10/01/19 05:52	3.1
o-Xylene	0.95	U	3.1	0.95	ppb v/v			10/01/19 05:52	3.1
Styrene	0.90	U	3.1	0.90	ppb v/v			10/01/19 05:52	3.1
1,1,2,2-Tetrachloroethane	0.95	U	3.1	0.95	ppb v/v			10/01/19 05:52	3.1
Tetrachloroethene	**0.71**	**I**	3.1	0.62	ppb v/v			10/01/19 05:52	3.1
Toluene	1.9	U	15	1.9	ppb v/v			10/01/19 05:52	3.1
trans-1,3-Dichloropropene	0.74	U	3.1	0.74	ppb v/v			10/01/19 05:52	3.1
1,2,4-Trichlorobenzene	1.5	U	16	1.5	ppb v/v			10/01/19 05:52	3.1
1,1,1-Trichloroethane	0.47	U	3.1	0.47	ppb v/v			10/01/19 05:52	3.1
1,1,2-Trichloroethane	0.81	U	3.1	0.81	ppb v/v			10/01/19 05:52	3.1
Trichloroethene	**6.2**		3.1	0.56	ppb v/v			10/01/19 05:52	3.1
Trichlorofluoromethane	0.39	U	3.1	0.39	ppb v/v			10/01/19 05:52	3.1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.48	U	3.1	0.48	ppb v/v			10/01/19 05:52	3.1
1,2,4-Trimethylbenzene	0.98	U	3.1	0.98	ppb v/v			10/01/19 05:52	3.1
1,3,5-Trimethylbenzene	1.0	U	3.1	1.0	ppb v/v			10/01/19 05:52	3.1
Undecane	0.96	U	15	0.96	ppb v/v			10/01/19 05:52	3.1
Vinyl chloride	**260**		6.2	1.1	ppb v/v			10/01/19 05:52	3.1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*60 - 140*		*10/01/19 05:52*	*3.1*

Default Detection Limits

Client: Honeywell International Inc
Project/Site: Solitron 09/27/19 AIR

Job ID: 140-16802-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	PQL	MDL	Units
1,1,1-Trichloroethane	1.1	0.16	ug/m3
1,1,1-Trichloroethane	0.20	0.030	ppb v/v
1,1,2,2-Tetrachloroethane	1.4	0.42	ug/m3
1,1,2,2-Tetrachloroethane	0.20	0.061	ppb v/v
1,1,2-Trichloro-1,2,2-trifluoroethane	1.5	0.24	ug/m3
1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	0.031	ppb v/v
1,1,2-Trichloroethane	1.1	0.28	ug/m3
1,1,2-Trichloroethane	0.20	0.052	ppb v/v
1,1-Dichloroethane	0.81	0.11	ug/m3
1,1-Dichloroethane	0.20	0.026	ppb v/v
1,1-Dichloroethene	0.79	0.13	ug/m3
1,1-Dichloroethene	0.20	0.034	ppb v/v
1,2,4-Trichlorobenzene	7.4	0.73	ug/m3
1,2,4-Trichlorobenzene	1.0	0.098	ppb v/v
1,2,4-Trimethylbenzene	0.98	0.31	ug/m3
1,2,4-Trimethylbenzene	0.20	0.063	ppb v/v
1,2-Dibromoethane (EDB)	1.5	0.34	ug/m3
1,2-Dibromoethane (EDB)	0.20	0.044	ppb v/v
1,2-Dichloro-1,1,2,2-tetrafluoroethane	1.4	0.22	ug/m3
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.20	0.032	ppb v/v
1,2-Dichlorobenzene	2.4	0.42	ug/m3
1,2-Dichlorobenzene	0.40	0.070	ppb v/v
1,2-Dichloroethane	0.81	0.19	ug/m3
1,2-Dichloroethane	0.20	0.047	ppb v/v
1,3,5-Trimethylbenzene	0.98	0.32	ug/m3
1,3,5-Trimethylbenzene	0.20	0.065	ppb v/v
1,3-Dichlorobenzene	1.2	0.39	ug/m3
1,3-Dichlorobenzene	0.20	0.065	ppb v/v
1,4-Dichlorobenzene	1.2	0.38	ug/m3
1,4-Dichlorobenzene	0.20	0.064	ppb v/v
Benzene	0.64	0.18	ug/m3
Benzene	0.20	0.056	ppb v/v
Benzyl chloride	2.1	0.40	ug/m3
Benzyl chloride	0.40	0.078	ppb v/v
Bromomethane	0.78	0.12	ug/m3
Bromomethane	0.20	0.032	ppb v/v
Carbon tetrachloride	1.3	0.24	ug/m3
Carbon tetrachloride	0.20	0.038	ppb v/v
Chlorobenzene	0.92	0.23	ug/m3
Chlorobenzene	0.20	0.049	ppb v/v
Chloroethane	0.53	0.092	ug/m3
Chloroethane	0.20	0.035	ppb v/v
Chloroform	0.98	0.19	ug/m3
Chloroform	0.20	0.038	ppb v/v
Chloromethane	2.1	0.33	ug/m3
Chloromethane	1.0	0.16	ppb v/v
cis-1,2-Dichloroethene	0.79	0.24	ug/m3
cis-1,2-Dichloroethene	0.20	0.060	ppb v/v
cis-1,3-Dichloropropene	1.8	0.34	ug/m3
cis-1,3-Dichloropropene	0.40	0.074	ppb v/v
Dichlorodifluoromethane	0.99	0.34	ug/m3
Dichlorodifluoromethane	0.20	0.068	ppb v/v
Ethylbenzene	0.87	0.30	ug/m3

Default Detection Limits

Client: Honeywell International Inc
Project/Site: Solitron 09/27/19 AIR

Job ID: 140-16802-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	PQL	MDL	Units
Ethylbenzene	0.20	0.068	ppb v/v
Hexachlorobutadiene	11	0.83	ug/m3
Hexachlorobutadiene	1.0	0.078	ppb v/v
Methylene Chloride	3.5	1.1	ug/m3
Methylene Chloride	1.0	0.32	ppb v/v
m-Xylene & p-Xylene	0.87	0.52	ug/m3
m-Xylene & p-Xylene	0.20	0.12	ppb v/v
o-Xylene	0.87	0.26	ug/m3
o-Xylene	0.20	0.061	ppb v/v
Styrene	0.85	0.25	ug/m3
Styrene	0.20	0.058	ppb v/v
Tetrachloroethene	1.4	0.27	ug/m3
Tetrachloroethene	0.20	0.040	ppb v/v
Toluene	3.8	0.45	ug/m3
Toluene	1.0	0.12	ppb v/v
trans-1,3-Dichloropropene	0.91	0.22	ug/m3
trans-1,3-Dichloropropene	0.20	0.048	ppb v/v
Trichloroethene	1.1	0.19	ug/m3
Trichloroethene	0.20	0.036	ppb v/v
Trichlorofluoromethane	1.1	0.14	ug/m3
Trichlorofluoromethane	0.20	0.025	ppb v/v
Undecane	6.4	0.40	ug/m3
Undecane	1.0	0.062	ppb v/v
Vinyl chloride	1.0	0.18	ug/m3
Vinyl chloride	0.40	0.071	ppb v/v

Surrogate Summary

Client: Honeywell International Inc
Project/Site: Solitron 09/27/19 AIR

Job ID: 140-16802-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Matrix: Air **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	**Client Sample ID**	**BFB (60-140)**							
140-16802-1	EFFLUENT	94							
LCS 140-33982/1002	Lab Control Sample	102							
MB 140-33982/5	Method Blank	92							

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

QC Sample Results

Client: Honeywell International Inc
Project/Site: Solitron 09/27/19 AIR

Job ID: 140-16802-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 140-33982/5
Matrix: Air
Analysis Batch: 33982

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.18	U	0.64	0.18	ug/m3			09/30/19 12:33	1
Benzyl chloride	0.40	U	2.1	0.40	ug/m3			09/30/19 12:33	1
Bromomethane	0.12	U	0.78	0.12	ug/m3			09/30/19 12:33	1
Carbon tetrachloride	0.24	U	1.3	0.24	ug/m3			09/30/19 12:33	1
Chlorobenzene	0.23	U	0.92	0.23	ug/m3			09/30/19 12:33	1
Chloroethane	0.092	U	0.53	0.092	ug/m3			09/30/19 12:33	1
Chloroform	0.19	U	0.98	0.19	ug/m3			09/30/19 12:33	1
Chloromethane	0.33	U	2.1	0.33	ug/m3			09/30/19 12:33	1
cis-1,2-Dichloroethene	0.24	U	0.79	0.24	ug/m3			09/30/19 12:33	1
cis-1,3-Dichloropropene	0.34	U	1.8	0.34	ug/m3			09/30/19 12:33	1
1,2-Dibromoethane (EDB)	0.34	U	1.5	0.34	ug/m3			09/30/19 12:33	1
1,2-Dichlorobenzene	0.42	U	2.4	0.42	ug/m3			09/30/19 12:33	1
1,3-Dichlorobenzene	0.39	U	1.2	0.39	ug/m3			09/30/19 12:33	1
1,4-Dichlorobenzene	0.38	U	1.2	0.38	ug/m3			09/30/19 12:33	1
Dichlorodifluoromethane	0.34	U	0.99	0.34	ug/m3			09/30/19 12:33	1
1,1-Dichloroethane	0.11	U	0.81	0.11	ug/m3			09/30/19 12:33	1
1,2-Dichloroethane	0.19	U	0.81	0.19	ug/m3			09/30/19 12:33	1
1,1-Dichloroethene	0.13	U	0.79	0.13	ug/m3			09/30/19 12:33	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.22	U	1.4	0.22	ug/m3			09/30/19 12:33	1
Ethylbenzene	0.30	U	0.87	0.30	ug/m3			09/30/19 12:33	1
Hexachlorobutadiene	0.83	U	11	0.83	ug/m3			09/30/19 12:33	1
Methylene Chloride	1.43	I	3.5	1.1	ug/m3			09/30/19 12:33	1
m-Xylene & p-Xylene	0.52	U	0.87	0.52	ug/m3			09/30/19 12:33	1
o-Xylene	0.26	U	0.87	0.26	ug/m3			09/30/19 12:33	1
Styrene	0.25	U	0.85	0.25	ug/m3			09/30/19 12:33	1
1,1,2,2-Tetrachloroethane	0.42	U	1.4	0.42	ug/m3			09/30/19 12:33	1
Tetrachloroethene	0.27	U	1.4	0.27	ug/m3			09/30/19 12:33	1
Toluene	0.45	U	3.8	0.45	ug/m3			09/30/19 12:33	1
trans-1,3-Dichloropropene	0.22	U	0.91	0.22	ug/m3			09/30/19 12:33	1
1,2,4-Trichlorobenzene	0.73	U	7.4	0.73	ug/m3			09/30/19 12:33	1
1,1,1-Trichloroethane	0.16	U	1.1	0.16	ug/m3			09/30/19 12:33	1
1,1,2-Trichloroethane	0.28	U	1.1	0.28	ug/m3			09/30/19 12:33	1
Trichloroethene	0.19	U	1.1	0.19	ug/m3			09/30/19 12:33	1
Trichlorofluoromethane	0.14	U	1.1	0.14	ug/m3			09/30/19 12:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.24	U	1.5	0.24	ug/m3			09/30/19 12:33	1
1,2,4-Trimethylbenzene	0.31	U	0.98	0.31	ug/m3			09/30/19 12:33	1
1,3,5-Trimethylbenzene	0.32	U	0.98	0.32	ug/m3			09/30/19 12:33	1
Undecane	0.40	U	6.4	0.40	ug/m3			09/30/19 12:33	1
Vinyl chloride	0.18	U	1.0	0.18	ug/m3			09/30/19 12:33	1

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.056	U	0.20	0.056	ppb v/v			09/30/19 12:33	1
Benzyl chloride	0.078	U	0.40	0.078	ppb v/v			09/30/19 12:33	1
Bromomethane	0.032	U	0.20	0.032	ppb v/v			09/30/19 12:33	1
Carbon tetrachloride	0.038	U	0.20	0.038	ppb v/v			09/30/19 12:33	1
Chlorobenzene	0.049	U	0.20	0.049	ppb v/v			09/30/19 12:33	1
Chloroethane	0.035	U	0.20	0.035	ppb v/v			09/30/19 12:33	1
Chloroform	0.038	U	0.20	0.038	ppb v/v			09/30/19 12:33	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 140-33982/5
Matrix: Air
Analysis Batch: 33982

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	0.16	U	1.0	0.16	ppb v/v			09/30/19 12:33	1
cis-1,2-Dichloroethene	0.060	U	0.20	0.060	ppb v/v			09/30/19 12:33	1
cis-1,3-Dichloropropene	0.074	U	0.40	0.074	ppb v/v			09/30/19 12:33	1
1,2-Dibromoethane (EDB)	0.044	U	0.20	0.044	ppb v/v			09/30/19 12:33	1
1,2-Dichlorobenzene	0.070	U	0.40	0.070	ppb v/v			09/30/19 12:33	1
1,3-Dichlorobenzene	0.065	U	0.20	0.065	ppb v/v			09/30/19 12:33	1
1,4-Dichlorobenzene	0.064	U	0.20	0.064	ppb v/v			09/30/19 12:33	1
Dichlorodifluoromethane	0.068	U	0.20	0.068	ppb v/v			09/30/19 12:33	1
1,1-Dichloroethane	0.026	U	0.20	0.026	ppb v/v			09/30/19 12:33	1
1,2-Dichloroethane	0.047	U	0.20	0.047	ppb v/v			09/30/19 12:33	1
1,1-Dichloroethene	0.034	U	0.20	0.034	ppb v/v			09/30/19 12:33	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.032	U	0.20	0.032	ppb v/v			09/30/19 12:33	1
Ethylbenzene	0.068	U	0.20	0.068	ppb v/v			09/30/19 12:33	1
Hexachlorobutadiene	0.078	U	1.0	0.078	ppb v/v			09/30/19 12:33	1
Methylene Chloride	0.413	I	1.0	0.32	ppb v/v			09/30/19 12:33	1
m-Xylene & p-Xylene	0.12	U	0.20	0.12	ppb v/v			09/30/19 12:33	1
o-Xylene	0.061	U	0.20	0.061	ppb v/v			09/30/19 12:33	1
Styrene	0.058	U	0.20	0.058	ppb v/v			09/30/19 12:33	1
1,1,2,2-Tetrachloroethane	0.061	U	0.20	0.061	ppb v/v			09/30/19 12:33	1
Tetrachloroethene	0.040	U	0.20	0.040	ppb v/v			09/30/19 12:33	1
Toluene	0.12	U	1.0	0.12	ppb v/v			09/30/19 12:33	1
trans-1,3-Dichloropropene	0.048	U	0.20	0.048	ppb v/v			09/30/19 12:33	1
1,2,4-Trichlorobenzene	0.098	U	1.0	0.098	ppb v/v			09/30/19 12:33	1
1,1,1-Trichloroethane	0.030	U	0.20	0.030	ppb v/v			09/30/19 12:33	1
1,1,2-Trichloroethane	0.052	U	0.20	0.052	ppb v/v			09/30/19 12:33	1
Trichloroethene	0.036	U	0.20	0.036	ppb v/v			09/30/19 12:33	1
Trichlorofluoromethane	0.025	U	0.20	0.025	ppb v/v			09/30/19 12:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.031	U	0.20	0.031	ppb v/v			09/30/19 12:33	1
1,2,4-Trimethylbenzene	0.063	U	0.20	0.063	ppb v/v			09/30/19 12:33	1
1,3,5-Trimethylbenzene	0.065	U	0.20	0.065	ppb v/v			09/30/19 12:33	1
Undecane	0.062	U	1.0	0.062	ppb v/v			09/30/19 12:33	1
Vinyl chloride	0.071	U	0.40	0.071	ppb v/v			09/30/19 12:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*60 - 140*		*09/30/19 12:33*	*1*

Lab Sample ID: LCS 140-33982/1002
Matrix: Air
Analysis Batch: 33982

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	3.19	3.32		ug/m3		104	70 - 130
Benzyl chloride	5.18	5.14		ug/m3		99	70 - 130
Bromomethane	3.88	4.43		ug/m3		114	70 - 130
Carbon tetrachloride	6.29	6.70		ug/m3		107	70 - 130
Chlorobenzene	4.60	4.99		ug/m3		108	70 - 130
Chloroethane	2.64	2.81		ug/m3		107	70 - 130
Chloroform	4.88	5.08		ug/m3		104	70 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 140-33982/1002
Matrix: Air
Analysis Batch: 33982

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	2.07	2.37		ug/m3		115	60 - 140
cis-1,2-Dichloroethene	3.96	3.94		ug/m3		99	70 - 130
cis-1,3-Dichloropropene	4.54	4.90		ug/m3		108	70 - 130
1,2-Dibromoethane (EDB)	7.68	8.22		ug/m3		107	70 - 130
1,2-Dichlorobenzene	6.01	6.81		ug/m3		113	70 - 130
1,3-Dichlorobenzene	6.01	6.80		ug/m3		113	70 - 130
1,4-Dichlorobenzene	6.01	6.71		ug/m3		112	70 - 130
Dichlorodifluoromethane	4.95	5.11		ug/m3		103	60 - 140
1,1-Dichloroethane	4.05	4.10		ug/m3		101	70 - 130
1,2-Dichloroethane	4.05	4.02		ug/m3		99	70 - 130
1,1-Dichloroethene	3.96	3.80		ug/m3		96	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	6.99	7.83		ug/m3		112	60 - 140
Ethylbenzene	4.34	4.53		ug/m3		104	70 - 130
Hexachlorobutadiene	10.7	11.9		ug/m3		112	60 - 140
Methylene Chloride	3.47	3.12		ug/m3		90	70 - 130
m-Xylene & p-Xylene	8.68	9.51		ug/m3		110	70 - 130
o-Xylene	4.34	4.63		ug/m3		107	70 - 130
Styrene	4.26	4.76		ug/m3		112	70 - 130
1,1,2,2-Tetrachloroethane	6.87	7.65		ug/m3		111	70 - 130
Tetrachloroethene	6.78	7.04		ug/m3		104	70 - 130
Toluene	3.77	3.94		ug/m3		104	70 - 130
trans-1,3-Dichloropropene	4.54	5.00		ug/m3		110	70 - 130
1,2,4-Trichlorobenzene	7.42	7.26		ug/m3		98	60 - 140
1,1,1-Trichloroethane	5.46	5.48		ug/m3		100	70 - 130
1,1,2-Trichloroethane	5.46	5.85		ug/m3		107	70 - 130
Trichloroethene	5.37	5.54		ug/m3		103	70 - 130
Trichlorofluoromethane	5.62	5.64		ug/m3		100	60 - 140
1,1,2-Trichloro-1,2,2-trifluoroethane	7.66	8.10		ug/m3		106	70 - 130
1,2,4-Trimethylbenzene	4.92	5.52		ug/m3		112	70 - 130
1,3,5-Trimethylbenzene	4.92	6.02		ug/m3		122	70 - 130
Undecane	6.39	7.11		ug/m3		111	60 - 140
Vinyl chloride	2.56	2.82		ug/m3		111	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	1.0	1.04		ppb v/v		104	70 - 130
Benzyl chloride	1.0	0.992		ppb v/v		99	70 - 130
Bromomethane	1.0	1.14		ppb v/v		114	70 - 130
Carbon tetrachloride	1.0	1.07		ppb v/v		107	70 - 130
Chlorobenzene	1.0	1.08		ppb v/v		108	70 - 130
Chloroethane	1.0	1.07		ppb v/v		107	70 - 130
Chloroform	1.0	1.04		ppb v/v		104	70 - 130
Chloromethane	1.0	1.15		ppb v/v		115	60 - 140
cis-1,2-Dichloroethene	1.0	0.993		ppb v/v		99	70 - 130
cis-1,3-Dichloropropene	1.0	1.08		ppb v/v		108	70 - 130
1,2-Dibromoethane (EDB)	1.0	1.07		ppb v/v		107	70 - 130
1,2-Dichlorobenzene	1.0	1.13		ppb v/v		113	70 - 130
1,3-Dichlorobenzene	1.0	1.13		ppb v/v		113	70 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 140-33982/1002
Matrix: Air
Analysis Batch: 33982

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	1.0	1.12		ppb v/v		112	70 - 130
Dichlorodifluoromethane	1.0	1.03		ppb v/v		103	60 - 140
1,1-Dichloroethane	1.0	1.01		ppb v/v		101	70 - 130
1,2-Dichloroethane	1.0	0.994		ppb v/v		99	70 - 130
1,1-Dichloroethene	1.0	0.958		ppb v/v		96	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	1.0	1.12		ppb v/v		112	60 - 140
Ethylbenzene	1.0	1.04		ppb v/v		104	70 - 130
Hexachlorobutadiene	1.0	1.12		ppb v/v		112	60 - 140
Methylene Chloride	1.0	0.899		ppb v/v		90	70 - 130
m-Xylene & p-Xylene	2.0	2.19		ppb v/v		110	70 - 130
o-Xylene	1.0	1.07		ppb v/v		107	70 - 130
Styrene	1.0	1.12		ppb v/v		112	70 - 130
1,1,2,2-Tetrachloroethane	1.0	1.11		ppb v/v		111	70 - 130
Tetrachloroethene	1.0	1.04		ppb v/v		104	70 - 130
Toluene	1.0	1.04		ppb v/v		104	70 - 130
trans-1,3-Dichloropropene	1.0	1.10		ppb v/v		110	70 - 130
1,2,4-Trichlorobenzene	1.0	0.979		ppb v/v		98	60 - 140
1,1,1-Trichloroethane	1.0	1.00		ppb v/v		100	70 - 130
1,1,2-Trichloroethane	1.0	1.07		ppb v/v		107	70 - 130
Trichloroethene	1.0	1.03		ppb v/v		103	70 - 130
Trichlorofluoromethane	1.0	1.00		ppb v/v		100	60 - 140
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	1.06		ppb v/v		106	70 - 130
1,2,4-Trimethylbenzene	1.0	1.12		ppb v/v		112	70 - 130
1,3,5-Trimethylbenzene	1.0	1.22		ppb v/v		122	70 - 130
Undecane	1.0	1.11		ppb v/v		111	60 - 140
Vinyl chloride	1.0	1.11		ppb v/v		111	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*60 - 140*

QC Association Summary

Client: Honeywell International Inc
Project/Site: Solitron 09/27/19 AIR

Job ID: 140-16802-1

Air - GC/MS VOA

Analysis Batch: 33982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-16802-1	EFFLUENT	Total/NA	Air	TO-15	
MB 140-33982/5	Method Blank	Total/NA	Air	TO-15	
LCS 140-33982/1002	Lab Control Sample	Total/NA	Air	TO-15	

Lab Chronicle

Client: Honeywell International Inc
Project/Site: Solitron 09/27/19 AIR

Job ID: 140-16802-1

Client Sample ID: EFFLUENT

Lab Sample ID: 140-16802-1

Date Collected: 09/27/19 16:30
Matrix: Air
Date Received: 09/30/19 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		3.1	40 mL	500 mL	33982	10/01/19 05:52	S1K	TAL KNX
	Instrument ID: MH									

Client Sample ID: Method Blank

Lab Sample ID: MB 140-33982/5

Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	200 mL	500 mL	33982	09/30/19 12:33	S1K	TAL KNX
	Instrument ID: MH									

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 140-33982/1002

Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	500 mL	500 mL	33982	09/30/19 09:26	S1K	TAL KNX
	Instrument ID: MH									

Laboratory References:

TAL KNX = Eurofins TestAmerica, Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Accreditation/Certification Summary

Client: Honeywell International Inc
Project/Site: Solitron 09/27/19 AIR

Job ID: 140-16802-1

Laboratory: Eurofins TestAmerica, Knoxville

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
	AFCEE	N/A	
ANAB	Dept. of Defense ELAP	L2311	02-14-22
ANAB	Dept. of Energy	L2311.01	02-14-22
ANAB	ISO/IEC 17025	L2311	02-13-22
Arkansas DEQ	State	2423	06-16-20
California	State	2423	06-30-20
Colorado	State	TN00009	02-29-20
Connecticut	State	PH-0223	09-30-21
Florida	NELAP	E87177	06-30-20
Georgia (DW)	State	906	04-13-20
Hawaii	State	NA	04-13-20
Kansas	NELAP	E-10349	10-31-19
Kentucky (DW)	State	90101	12-31-19
Louisiana	NELAP	83979	06-30-20
Louisiana (DW)	State	LA019	12-31-19
Maryland	State	277	03-31-20
Michigan	State	9933	04-13-20
Nevada	State	TN00009	07-31-20
New Hampshire	NELAP	2999	01-17-20
New Hampshire	NELAP	299919	01-17-20
New Jersey	NELAP	TN001	06-30-20
New York	NELAP	10781	03-31-20
North Carolina (DW)	State	21705	07-31-20
North Carolina (WW/SW)	State	64	12-31-19
North Carolina (WW/SW)	State Program	64	12-31-19
Ohio VAP	State	CL0059	08-28-20
Oklahoma	State	9415	09-01-20
Oregon	NELAP	TNI0189	01-01-20
Pennsylvania	NELAP	68-00576	12-31-19
Tennessee	State	02014	04-13-20
Texas	NELAP	T104704380-18-12	08-31-20
US Fish & Wildlife	US Federal Programs	058448	07-31-20
USDA	US Federal Programs	P330-19-00236	08-20-22
Utah	NELAP	TN00009	07-31-20
Virginia	NELAP	460176	09-15-20
Washington	State	C593	01-19-20
West Virginia (DW)	State	9955C	12-31-19
West Virginia DEP	State	345	04-30-20
Wisconsin	State	998044300	08-31-20

Laboratory: Eurofins TestAmerica, Tampa

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	3052	06-30-20
Florida	NELAP	E84282	06-30-20
Georgia (DW)	State	905	06-30-20
USDA	US Federal Programs	P525-170731-001	09-25-20

Method Summary

Client: Honeywell International Inc
Project/Site: Solitron 09/27/19 AIR

Job ID: 140-16802-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	TAL KNX

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL KNX = Eurofins TestAmerica, Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Sample Summary

Client: Honeywell International Inc
Project/Site: Solitron 09/27/19 AIR

Job ID: 140-16802-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
140-16802-1	EFFLUENT	Air	09/27/19 16:30	09/30/19 10:00	Air Canister (1-Liter) #34002396

Eurofins TestAmerica, Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
Phone 865-291-3000
Fax 865-584-4315

Canister Samples Chain of Custody Record

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

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TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact Information	Client Project Manager: JOHN PERELLA	Samples Collected By: BRIAN FOX (ARCADIS)	COC No:
Company Name: ARCADIS	Phone: 813-353-5794		1 of 1 COCs
Address: 1500 GATEWAY BLVD STE-200	Email:		
City/State/Zip Boynton Beach, FL 33426			For Lab Use Only:
Phone: 561-697-7000	Site Contact:		Walk-in Client:
FAX:	Tel/Fax		Lab Sampling:
Project Name: Solitron Riviera Beach	Analysis Turnaround Time		
Site/Location: Riviera Beach, FL	Standard (Specific): ✓		Job / SDG No.:
P O #	Rush (Specifiy):		(See below for Add'l Items)

Sample Identification	Sample Start Date	Time Start	Sample End Date	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-14/15 (Standard / Low Level)	TO-15 SIM	EPA 3C	EPA 25C	ASTM D-1946	EPA 15/16	Other (Please specify in notes section)	Sample Type	Indoor Air/Ambient Air	Sub-Slab	Soil Gas	Soil Vapor Extraction (SVE)	Landfill Gas	Other (Please specify in notes section)	Sample Specific Notes:
EFFLUENT	9/29/19	1625	9/29/19	1630	-30	Ø	200	34002396		X												✓	TRAY STRIPPER
CUSTODY SEALS INTACT																							
RECEIVED AMBIENT																							
BKD 9-30-19																							
\COOLER FEDX#439578375329 PO																							
\CAN/\FLOW(R)																							

140-16802 Chain of Custody

Temperature (Fahrenheit)			
Start	Interior	Ambient	
Stop			

Pressure (inches of Hg)			
Start	Interior	Ambient	
Stop			

Special Instructions/QC Requirements & Comments:

Samples Shipped by: [signature]	Date / Time: 9/27/19 1730	Samples Received by:
Samples Relinquished by:	Date / Time:	Received by: [signature] ETA KW x 9-30-19 10:00
Relinquished by:	Date / Time:	Received by:
Lab Use Only: Shipper Name:	Opened by:	Condition:

Form No. CA-C-WI-003, Rev. 2.13, dated 4/10/2019

Loc: 140
16802

EUROFINS/TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST **Log In Number:**

Review Items	Yes	No	NA	If No, what was the problem?
1. Are the shipping containers intact?	✓			
2. Were ambient air containers received intact?			✓	
3. The coolers/containers custody seal if present, is it intact?	✓			
4. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C, VOST: 10°C) Thermometer ID :_____ Correction factor: _____			✓	
5. Were all of the sample containers received intact?	✓			
6. Were samples received in appropriate containers?	✓			
7. Do sample container labels match COC? (IDs, Dates, Times)	✓			
8. Were all of the samples listed on the COC received?	✓			
9. Is the date/time of sample collection noted?	✓			
10. Was the sampler identified on the COC?	✓			
11. Is the client and project name/# identified?	✓			
12. Are tests/parameters listed for each sample?	✓			
13. Is the matrix of the samples noted?	✓			
14. Was COC relinquished? (Signed/Dated/Timed)	✓			
15. Were samples received within holding time?	✓			
16. Were samples received with correct chemical preservative (excluding Encore)?			✓	
17. Were VOA samples received without headspace?			✓	
18. Did you check for residual chlorine, if necessary? (e.g. 1613B, 1668) Chlorine test strip lot number:_____			✓	
19. For 1613B water samples is pH<9?			✓	
20. For rad samples was sample activity info. Provided?			✓	

- 1: ☐ Containers, Broken
- 2: ☑ Checked in lab
- 3: ☐ Yes ☐ NA
- 4: ☐ Cooler Out of Temp, Client Contacted, Proceed/Cancel ☐ Cooler Out of Temp, Same Day Receipt
- 5: ☐ Containers, Broken
- 6: ☐ Containers, Improper; Client Contacted; Proceed/Cancel
- 7: ☐ COC & Samples Do Not Match ☐ COC Incorrect/Incomplete ☐ COC Not Received
- 8: ☐ Sample Received, Not on COC ☐ Sample on COC, Not Received
- 9: ☐ COC; No Date/Time; Client Contacted
- 10: ☐ Sampler Not Listed on COC
- 11: ☐ COC Incorrect/Incomplete
- 12: ☐ COC No tests on COC
- 13: ☐ COC Incorrect/Incomplete
- 14: ☐ COC Incorrect/Incomplete
- 15: ☐ Holding Time - Receipt
- 16: ☐ pH Adjusted, pH Included (See box 16A) ☐ Incorrect Preservative
- 17: ☐ Headspace (VOA only)
- 18: ☐ Residual Chlorine
- 19: ☐ If no, notify lab to adjust
- 20: ☐ Project missing info

Comments/Actions Taken

Labeling Verified by: **Date:**

pH test strip lot number:

	Box 16A: pH Preservation	Box 18A: Residual Chlorine
Preservative:		
Lot Number:		
Exp Date:		
Analyst:		
Date:		
Time:		

Project #: 16002759 PM Instructions:

Sample Receiving Associate: [signature] Date: 9-30-19

QA026R32.doc, 062719

TestAmerica Knoxville - Air Canister Initial Pressure Check

Gauge ID: G5
Date: 9/30/2019

Analyst	Sample ID	Asset #	Cleaning Job	Cert	Size (L)	Pressure @ Receipt (-in Hg or +psig)	Time	Comments
HMT	140-16802-a-1	34002396	16499	B	1	-1.0	15:03	29.3

□ Receiving –Air Can –Calve Open (NCM #_____)
□ Air - Can P -24 to -25 " - Flow Contr. Works (NCM#_____)
□ Air - Can P -24 to -25 " - Flow Contr. Faulty (NCM#_____)
□ Air - Can P Out -26" - Flow Contr. Works (NCM#_____)
□ Air - Can P Out -26" - Flow Contr. Faulty (NCM#_____)
□ Air - Can P Low -24 to -25 " - Grab Sample (NCM#_____)
□ Air - Can P Low -26 "- Grab Sample (NCM#_____)

Summa Canister Dilution Worksheet

Client: Honeywell International Inc
Project/Site: Solitron 09/27/19 AIR

Job No.: 140-16802-1

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Pressure Gauge ID	Date	Analyst Initals
140-16802-1	0	29.3	0.97	0.00	29.3	2.99	0.00		3.10	3.10	G5	09/30/19 15:05	AFB

Formulae:

Preadjusted Volume (L) = (Preadjusted Pressure ("Hg) + 29.92 "Hg * Vol L) / 29.92 "Hg
Adjusted Volume (L) = (Adjusted Pressure (psig) + 14.7 psig * Vol L) / 14.7 psig
Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury (“Hg)
14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

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ANALYTICAL REPORT

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

Laboratory Job ID: 660-97603-1
Client Project/Site: Solitron 09/27/19

For:
Honeywell International Inc
Remediation & Evaluation Services
115 Tabor Road
Morris Plains, New Jersey 07950

Attn: Prashant Gupta

Bethany McDaniel

Authorized for release by:
10/2/2019 10:34:17 AM

Bethany McDaniel, Senior Project Manager
(713)358-2005
bethany.mcdaniel@testamericainc.com

LINKS

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

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

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Sample Summary

Client: Honeywell International Inc
Project/Site: Solitron 09/27/19

Job ID: 660-97603-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
660-97603-1	Influent	Water	09/27/19 16:40	09/28/19 09:40	
660-97603-2	Effluent	Water	09/27/19 16:45	09/28/19 09:40	
660-97603-3	Trip Blank	Water	09/28/19 09:40	09/28/19 09:40	

Job ID: 660-97603-1

Laboratory: Eurofins TestAmerica, Tampa

Narrative

Job Narrative
660-97603-1

Comments
No additional comments.

Receipt
The samples were received on 9/28/2019 9:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.5º C.

Receipt Exceptions
A trip blank was submitted for analysis with these samples; however, it was not listed on the Chain of Custody (COC).

GC/MS VOA
Method(s) 8260B: The following sample was diluted to bring the concentration of target analytes within the calibration range: Influent. Elevated reporting limits (RLs) are provided.

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

Definitions/Glossary

Client: Honeywell International Inc
Project/Site: Solitron 09/27/19

Job ID: 660-97603-1

Qualifiers

GC/MS VOA

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

Glossary

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

Detection Summary

Client: Honeywell International Inc
Project/Site: Solitron 09/27/19

Job ID: 660-97603-1

Client Sample ID: Influent — Lab Sample ID: 660-97603-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	11		2.0	0.50	ug/L	2		8260B	Total/NA
Chlorobenzene	110		2.0	0.53	ug/L	2		8260B	Total/NA
1,2-Dichlorobenzene	35		2.0	0.48	ug/L	2		8260B	Total/NA
1,4-Dichlorobenzene	2.9		2.0	0.45	ug/L	2		8260B	Total/NA
1,1-Dichloroethene	2.4		2.0	0.52	ug/L	2		8260B	Total/NA
Ethylbenzene	5.7		2.0	0.54	ug/L	2		8260B	Total/NA
trans-1,2-Dichloroethene	6.1		4.0	0.78	ug/L	2		8260B	Total/NA
Trichloroethene	30		4.0	1.2	ug/L	2		8260B	Total/NA
Xylenes, Total	9.3		8.0	1.0	ug/L	2		8260B	Total/NA
cis-1,2-Dichloroethene - DL	650		20	6.5	ug/L	20		8260B	Total/NA
Vinyl chloride - DL	450		20	5.1	ug/L	20		8260B	Total/NA

Client Sample ID: Effluent — Lab Sample ID: 660-97603-2

No Detections.

Client Sample ID: Trip Blank — Lab Sample ID: 660-97603-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Honeywell International Inc
Project/Site: Solitron 09/27/19

Job ID: 660-97603-1

Client Sample ID: Influent

Lab Sample ID: 660-97603-1

Date Collected: 09/27/19 16:40
Matrix: Water
Date Received: 09/28/19 09:40

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**11**		2.0	0.50	ug/L			10/01/19 13:58	2
Chlorobenzene	**110**		2.0	0.53	ug/L			10/01/19 13:58	2
Chloroform	0.57	U	2.0	0.57	ug/L			10/01/19 13:58	2
1,2-Dichlorobenzene	**35**		2.0	0.48	ug/L			10/01/19 13:58	2
1,3-Dichlorobenzene	0.52	U	2.0	0.52	ug/L			10/01/19 13:58	2
1,4-Dichlorobenzene	**2.9**		2.0	0.45	ug/L			10/01/19 13:58	2
1,1-Dichloroethane	0.63	U	2.0	0.63	ug/L			10/01/19 13:58	2
1,1-Dichloroethene	**2.4**		2.0	0.52	ug/L			10/01/19 13:58	2
Ethylbenzene	**5.7**		2.0	0.54	ug/L			10/01/19 13:58	2
Tetrachloroethene	1.0	U	4.0	1.0	ug/L			10/01/19 13:58	2
Toluene	0.48	U	2.0	0.48	ug/L			10/01/19 13:58	2
trans-1,2-Dichloroethene	**6.1**		4.0	0.78	ug/L			10/01/19 13:58	2
Trichloroethene	**30**		4.0	1.2	ug/L			10/01/19 13:58	2
Xylenes, Total	**9.3**		8.0	1.0	ug/L			10/01/19 13:58	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 130*		*10/01/19 13:58*	*2*
Dibromofluoromethane	*97*		*70 - 130*		*10/01/19 13:58*	*2*
Toluene-d8 (Surr)	*102*		*70 - 130*		*10/01/19 13:58*	*2*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**650**		20	6.5	ug/L			10/01/19 13:37	20
Vinyl chloride	**450**		20	5.1	ug/L			10/01/19 13:37	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 130*		*10/01/19 13:37*	*20*
Dibromofluoromethane	*96*		*70 - 130*		*10/01/19 13:37*	*20*
Toluene-d8 (Surr)	*100*		*70 - 130*		*10/01/19 13:37*	*20*

Client Sample ID: Effluent

Lab Sample ID: 660-97603-2

Date Collected: 09/27/19 16:45
Matrix: Water
Date Received: 09/28/19 09:40

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			10/01/19 13:16	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			10/01/19 13:16	1
Chloroform	0.29	U	1.0	0.29	ug/L			10/01/19 13:16	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			10/01/19 13:16	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			10/01/19 13:16	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			10/01/19 13:16	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			10/01/19 13:16	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			10/01/19 13:16	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			10/01/19 13:16	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			10/01/19 13:16	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			10/01/19 13:16	1
Toluene	0.24	U	1.0	0.24	ug/L			10/01/19 13:16	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			10/01/19 13:16	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			10/01/19 13:16	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			10/01/19 13:16	1

Client Sample Results

Client: Honeywell International Inc
Project/Site: Solitron 09/27/19

Job ID: 660-97603-1

Client Sample ID: Effluent

Lab Sample ID: 660-97603-2

Date Collected: 09/27/19 16:45

Matrix: Water

Date Received: 09/28/19 09:40

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	0.50	U	4.0	0.50	ug/L			10/01/19 13:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 130*		*10/01/19 13:16*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*10/01/19 13:16*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*10/01/19 13:16*	*1*

Client Sample ID: Trip Blank

Lab Sample ID: 660-97603-3

Date Collected: 09/28/19 09:40

Matrix: Water

Date Received: 09/28/19 09:40

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			10/01/19 12:55	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			10/01/19 12:55	1
Chloroform	0.29	U	1.0	0.29	ug/L			10/01/19 12:55	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			10/01/19 12:55	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			10/01/19 12:55	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			10/01/19 12:55	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			10/01/19 12:55	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			10/01/19 12:55	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			10/01/19 12:55	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			10/01/19 12:55	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			10/01/19 12:55	1
Toluene	0.24	U	1.0	0.24	ug/L			10/01/19 12:55	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			10/01/19 12:55	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			10/01/19 12:55	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			10/01/19 12:55	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			10/01/19 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 130*		*10/01/19 12:55*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*10/01/19 12:55*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*10/01/19 12:55*	*1*

QC Sample Results

Client: Honeywell International Inc
Project/Site: Solitron 09/27/19

Job ID: 660-97603-1

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

Lab Sample ID: MB 660-216285/6
Matrix: Water
Analysis Batch: 216285

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			10/01/19 09:18	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			10/01/19 09:18	1
Chloroform	0.29	U	1.0	0.29	ug/L			10/01/19 09:18	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			10/01/19 09:18	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			10/01/19 09:18	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			10/01/19 09:18	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			10/01/19 09:18	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			10/01/19 09:18	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			10/01/19 09:18	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			10/01/19 09:18	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			10/01/19 09:18	1
Toluene	0.24	U	1.0	0.24	ug/L			10/01/19 09:18	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			10/01/19 09:18	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			10/01/19 09:18	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			10/01/19 09:18	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			10/01/19 09:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 130*		*10/01/19 09:18*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*10/01/19 09:18*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*10/01/19 09:18*	*1*

Lab Sample ID: LCS 660-216285/4
Matrix: Water
Analysis Batch: 216285

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	10.0	11.2		ug/L		112	66 - 131
Chlorobenzene	10.0	11.0		ug/L		110	67 - 130
Chloroform	10.0	11.0		ug/L		110	77 - 119
cis-1,2-Dichloroethene	10.0	11.6		ug/L		116	69 - 133
1,2-Dichlorobenzene	10.0	11.1		ug/L		111	69 - 133
1,3-Dichlorobenzene	10.0	11.0		ug/L		110	68 - 130
1,4-Dichlorobenzene	10.0	10.7		ug/L		107	69 - 133
1,1-Dichloroethane	10.0	11.2		ug/L		112	68 - 130
1,1-Dichloroethene	10.0	11.6		ug/L		116	62 - 133
Ethylbenzene	10.0	11.1		ug/L		111	77 - 117
Tetrachloroethene	10.0	10.9		ug/L		109	59 - 130
Toluene	10.0	10.7		ug/L		107	71 - 119
trans-1,2-Dichloroethene	10.0	11.6		ug/L		116	67 - 130
Trichloroethene	10.0	10.8		ug/L		108	65 - 130
Vinyl chloride	10.0	11.6		ug/L		116	59 - 130

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

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

Lab Sample ID: 660-97580-C-1 MS
Matrix: Water
Analysis Batch: 216285

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.25	U	10.0	10.8		ug/L		108	66 - 131
Chlorobenzene	0.27	U	10.0	10.7		ug/L		107	67 - 130
Chloroform	16		10.0	25.2		ug/L		90	77 - 119
cis-1,2-Dichloroethene	0.32	U	10.0	11.4		ug/L		114	69 - 133
1,2-Dichlorobenzene	0.24	U	10.0	11.0		ug/L		110	69 - 133
1,3-Dichlorobenzene	0.26	U	10.0	11.0		ug/L		110	68 - 130
1,4-Dichlorobenzene	0.22	U	10.0	11.0		ug/L		110	69 - 133
1,1-Dichloroethane	0.32	U	10.0	11.1		ug/L		111	68 - 130
1,1-Dichloroethene	0.26	U	10.0	10.7		ug/L		107	62 - 133
Ethylbenzene	0.27	U	10.0	10.9		ug/L		109	77 - 117
Tetrachloroethene	0.50	U	10.0	10.2		ug/L		102	59 - 130
Toluene	0.24	U	10.0	10.6		ug/L		106	71 - 119
trans-1,2-Dichloroethene	0.39	U	10.0	10.8		ug/L		108	67 - 130
Trichloroethene	0.61	U	10.0	10.4		ug/L		104	65 - 130
Vinyl chloride	0.26	U	10.0	10.4		ug/L		104	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*70 - 130*
Dibromofluoromethane	*97*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: 660-97562-C-1 DU
Matrix: Water
Analysis Batch: 216285

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Benzene	0.25	U	0.25	U	ug/L		NC	30
Chlorobenzene	0.27	U	0.27	U	ug/L		NC	30
Chloroform	13		13.2		ug/L		2	30
cis-1,2-Dichloroethene	0.32	U	0.32	U	ug/L		NC	30
1,2-Dichlorobenzene	0.24	U	0.24	U	ug/L		NC	30
1,3-Dichlorobenzene	0.26	U	0.26	U	ug/L		NC	30
1,4-Dichlorobenzene	0.22	U	0.22	U	ug/L		NC	30
1,1-Dichloroethane	0.32	U	0.32	U	ug/L		NC	30
1,1-Dichloroethene	0.26	U	0.26	U	ug/L		NC	30
Ethylbenzene	0.27	U	0.27	U	ug/L		NC	30
Tetrachloroethene	0.50	U	0.50	U	ug/L		NC	30
Toluene	0.24	U	0.24	U	ug/L		NC	30
trans-1,2-Dichloroethene	0.39	U	0.39	U	ug/L		NC	30
Trichloroethene	0.61	U	0.61	U	ug/L		NC	30
Vinyl chloride	0.26	U	0.26	U	ug/L		NC	30
Xylenes, Total	0.50	U	0.50	U	ug/L		NC	30

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*70 - 130*
Dibromofluoromethane	*97*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

QC Association Summary

Client: Honeywell International Inc
Project/Site: Solitron 09/27/19

Job ID: 660-97603-1

GC/MS VOA

Analysis Batch: 216285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-97603-1 - DL	Influent	Total/NA	Water	8260B	
660-97603-1	Influent	Total/NA	Water	8260B	
660-97603-2	Effluent	Total/NA	Water	8260B	
660-97603-3	Trip Blank	Total/NA	Water	8260B	
MB 660-216285/6	Method Blank	Total/NA	Water	8260B	
LCS 660-216285/4	Lab Control Sample	Total/NA	Water	8260B	
660-97580-C-1 MS	Matrix Spike	Total/NA	Water	8260B	
660-97562-C-1 DU	Duplicate	Total/NA	Water	8260B	

Lab Chronicle

Client: Honeywell International Inc
Project/Site: Solitron 09/27/19

Job ID: 660-97603-1

Client Sample ID: Influent

Lab Sample ID: 660-97603-1

Date Collected: 09/27/19 16:40

Matrix: Water

Date Received: 09/28/19 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	20	216285	10/01/19 13:37	ECC	TAL TAM
Total/NA	Analysis	8260B		2	216285	10/01/19 13:58	ECC	TAL TAM

Client Sample ID: Effluent

Lab Sample ID: 660-97603-2

Date Collected: 09/27/19 16:45

Matrix: Water

Date Received: 09/28/19 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	216285	10/01/19 13:16	ECC	TAL TAM

Client Sample ID: Trip Blank

Lab Sample ID: 660-97603-3

Date Collected: 09/28/19 09:40

Matrix: Water

Date Received: 09/28/19 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	216285	10/01/19 12:55	ECC	TAL TAM

Laboratory References:

TAL TAM = Eurofins TestAmerica, Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Method Summary

Client: Honeywell International Inc
Project/Site: Solitron 09/27/19

Job ID: 660-97603-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
5030B	Purge and Trap	SW846	TAL TAM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = Eurofins TestAmerica, Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Accreditation/Certification Summary

Client: Honeywell International Inc
Project/Site: Solitron 09/27/19

Job ID: 660-97603-1

Laboratory: Eurofins TestAmerica, Tampa

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	3052	06-30-20
Florida	NELAP	E84282	06-30-20
Georgia (DW)	State	905	06-30-20
USDA	US Federal Programs	P525-170731-001	09-25-20

Eurofins TestAmerica, Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone (813) 885-7427 Fax (813) 885-7049

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: Brian Foy	Lab PM: McDaniel, Bethany A	Carrier Tracking No(s):	COC No: 660-88424-27459.1
Client Contact: John Perella	Phone: 561-866-2747	E-Mail: bethany.mcdaniel@testamericainc.com		Page: Page 1 of 1
Company: ARCADIS U.S. Inc				Job #:
Address: 3109 W. Dr. Martin Luther King Jr. Blvd. Suite 350	Due Date Requested:			
City: Tampa	TAT Requested (days): STANDARD			
State, Zip: FL, 33607				
Phone: 804-530-6211(Tel)	PO #: 4400038537			
Email: jperella@arcadis-us.com	WO #:			
Project Name: Honeywell Solitron	Project #: 66002759			
Site: Florida	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4

Loc: 660
97603
660-97603 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - 8260 Custom List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
Influent	9/27/19	1640	G	Water	NO	NO	X	3	
Effluent	↓	1645	↓	Water	↓	↓	X	3	
				Water					

Possible Hazard Identification
☒ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	9/27/19 1730	Arcadis	[signature]	9/28/19 940	TA Tampa

Custody Seals Intact: ✓ Yes Δ No	Custody Seal No.: 1130086	Cooler Temperature(s) °C and Other Remarks: 3.4/3.5 CU09

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Honeywell International Inc

Job Number: 660-97603-1

Login Number: 97603
List Number: 1
Creator: Edwards, Erricka

List Source: Eurofins TestAmerica, Tampa

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Received Trip Blank(s) not listed on COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

October 2019

J98008-1 UDS Level 2 Report Final Report

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 660-98008-1
Client Project/Site: Solitron 10/14/19

For:
Honeywell International Inc
Remediation & Evaluation Services
115 Tabor Road
Morris Plains, New Jersey 07950

Attn: Prashant Gupta

Bethany McDaniel

Authorized for release by:
10/21/2019 11:01:43 AM

Bethany McDaniel, Senior Project Manager
(713)358-2005
bethany.mcdaniel@testamericainc.com

LINKS

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

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

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

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Sample Summary

Client: Honeywell International Inc
Project/Site: Solitron 10/14/19

Job ID: 660-98008-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
660-98008-1	INFLUENT	Water	10/14/19 14:10	10/15/19 08:50	
660-98008-2	EFFLUENT	Water	10/14/19 14:20	10/15/19 08:50	
660-98008-3	TRIP BLANK	Water	10/15/19 08:50	10/15/19 08:50	

Job ID: 660-98008-1

Laboratory: Eurofins TestAmerica, Tampa

Narrative

Job Narrative
660-98008-1

Comments
No additional comments.

Receipt
The samples were received on 10/15/2019 8:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.9º C.

Receipt Exceptions
A trip blank was submitted for analysis with these samples; however, it was not listed on the Chain of Custody (COC).

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

Definitions/Glossary

Client: Honeywell International Inc
Project/Site: Solitron 10/14/19

Job ID: 660-98008-1

Qualifiers

GC/MS VOA

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

Glossary

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

Detection Summary

Client: Honeywell International Inc
Project/Site: Solitron 10/14/19

Job ID: 660-98008-1

Client Sample ID: INFLUENT — Lab Sample ID: 660-98008-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	0.51	I	1.0	0.26	ug/L	1		8260B	Total/NA

Client Sample ID: EFFLUENT — Lab Sample ID: 660-98008-2

No Detections.

Client Sample ID: TRIP BLANK — Lab Sample ID: 660-98008-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Honeywell International Inc
Project/Site: Solitron 10/14/19

Job ID: 660-98008-1

Client Sample ID: INFLUENT

Lab Sample ID: 660-98008-1

Date Collected: 10/14/19 14:10

Matrix: Water

Date Received: 10/15/19 08:50

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			10/20/19 16:14	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			10/20/19 16:14	1
Chloroform	0.29	U	1.0	0.29	ug/L			10/20/19 16:14	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			10/20/19 16:14	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			10/20/19 16:14	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			10/20/19 16:14	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			10/20/19 16:14	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			10/20/19 16:14	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			10/20/19 16:14	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			10/20/19 16:14	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			10/20/19 16:14	1
Toluene	0.24	U	1.0	0.24	ug/L			10/20/19 16:14	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			10/20/19 16:14	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			10/20/19 16:14	1
Vinyl chloride	**0.51**	**I**	1.0	0.26	ug/L			10/20/19 16:14	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			10/20/19 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*70 - 130*		*10/20/19 16:14*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*10/20/19 16:14*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*10/20/19 16:14*	*1*

Client Sample ID: EFFLUENT

Lab Sample ID: 660-98008-2

Date Collected: 10/14/19 14:20

Matrix: Water

Date Received: 10/15/19 08:50

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			10/20/19 16:34	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			10/20/19 16:34	1
Chloroform	0.29	U	1.0	0.29	ug/L			10/20/19 16:34	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			10/20/19 16:34	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			10/20/19 16:34	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			10/20/19 16:34	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			10/20/19 16:34	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			10/20/19 16:34	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			10/20/19 16:34	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			10/20/19 16:34	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			10/20/19 16:34	1
Toluene	0.24	U	1.0	0.24	ug/L			10/20/19 16:34	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			10/20/19 16:34	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			10/20/19 16:34	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			10/20/19 16:34	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			10/20/19 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*70 - 130*		*10/20/19 16:34*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*10/20/19 16:34*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*10/20/19 16:34*	*1*

Client Sample Results

Client: Honeywell International Inc
Project/Site: Solitron 10/14/19

Job ID: 660-98008-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 660-98008-3

Date Collected: 10/15/19 08:50
Date Received: 10/15/19 08:50

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			10/20/19 14:15	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			10/20/19 14:15	1
Chloroform	0.29	U	1.0	0.29	ug/L			10/20/19 14:15	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			10/20/19 14:15	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			10/20/19 14:15	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			10/20/19 14:15	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			10/20/19 14:15	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			10/20/19 14:15	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			10/20/19 14:15	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			10/20/19 14:15	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			10/20/19 14:15	1
Toluene	0.24	U	1.0	0.24	ug/L			10/20/19 14:15	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			10/20/19 14:15	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			10/20/19 14:15	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			10/20/19 14:15	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			10/20/19 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*70 - 130*		*10/20/19 14:15*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*10/20/19 14:15*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*10/20/19 14:15*	*1*

QC Sample Results

Client: Honeywell International Inc
Project/Site: Solitron 10/14/19

Job ID: 660-98008-1

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

Lab Sample ID: MB 660-217172/6
Matrix: Water
Analysis Batch: 217172

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			10/20/19 12:14	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			10/20/19 12:14	1
Chloroform	0.29	U	1.0	0.29	ug/L			10/20/19 12:14	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			10/20/19 12:14	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			10/20/19 12:14	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			10/20/19 12:14	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			10/20/19 12:14	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			10/20/19 12:14	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			10/20/19 12:14	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			10/20/19 12:14	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			10/20/19 12:14	1
Toluene	0.24	U	1.0	0.24	ug/L			10/20/19 12:14	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			10/20/19 12:14	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			10/20/19 12:14	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			10/20/19 12:14	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			10/20/19 12:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 130*		*10/20/19 12:14*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*10/20/19 12:14*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*10/20/19 12:14*	*1*

Lab Sample ID: LCS 660-217172/4
Matrix: Water
Analysis Batch: 217172

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	10.0	10.3		ug/L		103	66 - 131
Chlorobenzene	10.0	11.1		ug/L		111	67 - 130
Chloroform	10.0	9.90		ug/L		99	77 - 119
cis-1,2-Dichloroethene	10.0	10.9		ug/L		109	69 - 133
1,2-Dichlorobenzene	10.0	10.5		ug/L		105	69 - 133
1,3-Dichlorobenzene	10.0	10.7		ug/L		107	68 - 130
1,4-Dichlorobenzene	10.0	10.6		ug/L		106	69 - 133
1,1-Dichloroethane	10.0	10.2		ug/L		102	68 - 130
1,1-Dichloroethene	10.0	11.5		ug/L		115	62 - 133
Ethylbenzene	10.0	11.1		ug/L		111	77 - 117
Tetrachloroethene	10.0	10.8		ug/L		108	59 - 130
Toluene	10.0	9.86		ug/L		99	71 - 119
trans-1,2-Dichloroethene	10.0	10.6		ug/L		106	67 - 130
Trichloroethene	10.0	10.6		ug/L		106	65 - 130
Vinyl chloride	10.0	8.43		ug/L		84	59 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*95*		*70 - 130*
Dibromofluoromethane	*100*		*70 - 130*
Toluene-d8 (Surr)	*96*		*70 - 130*

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

Lab Sample ID: 660-97967-C-3 MS
Matrix: Water
Analysis Batch: 217172

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.38	I	10.0	12.3		ug/L		120	66 - 131
Chlorobenzene	0.27	U	10.0	12.8		ug/L		128	67 - 130
Chloroform	0.29	U	10.0	11.7		ug/L		117	77 - 119
cis-1,2-Dichloroethene	0.55	I	10.0	12.4		ug/L		118	69 - 133
1,2-Dichlorobenzene	0.24	U	10.0	11.7		ug/L		117	69 - 133
1,3-Dichlorobenzene	0.26	U	10.0	11.6		ug/L		116	68 - 130
1,4-Dichlorobenzene	0.22	U	10.0	11.6		ug/L		116	69 - 133
1,1-Dichloroethane	0.32	U	10.0	11.8		ug/L		118	68 - 130
1,1-Dichloroethene	0.26	U	10.0	12.5		ug/L		125	62 - 133
Ethylbenzene	0.27	U J3	10.0	13.3	J3	ug/L		133	77 - 117
Tetrachloroethene	0.50	U	10.0	12.8		ug/L		128	59 - 130
Toluene	0.42	I J3	10.0	12.7	J3	ug/L		123	71 - 119
trans-1,2-Dichloroethene	0.39	U	10.0	12.2		ug/L		122	67 - 130
Trichloroethene	0.61	U	10.0	12.4		ug/L		124	65 - 130
Vinyl chloride	34		10.0	42.8		ug/L		91	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*70 - 130*
Dibromofluoromethane	*100*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*

Lab Sample ID: 660-97967-B-2 DU
Matrix: Water
Analysis Batch: 217172

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Benzene	0.64	I	0.626	I	ug/L		2	30
Chlorobenzene	0.27	U	0.27	U	ug/L		NC	30
Chloroform	0.29	U	0.29	U	ug/L		NC	30
cis-1,2-Dichloroethene	20		20.3		ug/L		1	30
1,2-Dichlorobenzene	0.24	U	0.24	U	ug/L		NC	30
1,3-Dichlorobenzene	0.26	U	0.26	U	ug/L		NC	30
1,4-Dichlorobenzene	0.22	U	0.22	U	ug/L		NC	30
1,1-Dichloroethane	0.32	U	0.32	U	ug/L		NC	30
1,1-Dichloroethene	0.26	U	0.26	U	ug/L		NC	30
Ethylbenzene	0.27	U	0.27	U	ug/L		NC	30
Tetrachloroethene	0.50	U	0.50	U	ug/L		NC	30
Toluene	0.40	I	0.448	I	ug/L		10	30
trans-1,2-Dichloroethene	0.39	U	0.39	U	ug/L		NC	30
Trichloroethene	0.61	U	0.61	U	ug/L		NC	30
Vinyl chloride	27		27.7		ug/L		1	30
Xylenes, Total	0.50	U	0.50	U	ug/L		NC	30

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene	*93*		*70 - 130*
Dibromofluoromethane	*101*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

QC Association Summary

Client: Honeywell International Inc
Project/Site: Solitron 10/14/19

Job ID: 660-98008-1

GC/MS VOA

Analysis Batch: 217172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-98008-1	INFLUENT	Total/NA	Water	8260B	
660-98008-2	EFFLUENT	Total/NA	Water	8260B	
660-98008-3	TRIP BLANK	Total/NA	Water	8260B	
MB 660-217172/6	Method Blank	Total/NA	Water	8260B	
LCS 660-217172/4	Lab Control Sample	Total/NA	Water	8260B	
660-97967-C-3 MS	Matrix Spike	Total/NA	Water	8260B	
660-97967-B-2 DU	Duplicate	Total/NA	Water	8260B	

Lab Chronicle

Client: Honeywell International Inc
Project/Site: Solitron 10/14/19

Job ID: 660-98008-1

Client Sample ID: INFLUENT

Lab Sample ID: 660-98008-1

Date Collected: 10/14/19 14:10

Matrix: Water

Date Received: 10/15/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	217172	10/20/19 16:14	K1P	TAL TAM

Client Sample ID: EFFLUENT

Lab Sample ID: 660-98008-2

Date Collected: 10/14/19 14:20

Matrix: Water

Date Received: 10/15/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	217172	10/20/19 16:34	K1P	TAL TAM

Client Sample ID: TRIP BLANK

Lab Sample ID: 660-98008-3

Date Collected: 10/15/19 08:50

Matrix: Water

Date Received: 10/15/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	217172	10/20/19 14:15	K1P	TAL TAM

Laboratory References:

TAL TAM = Eurofins TestAmerica, Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Method Summary

Client: Honeywell International Inc
Project/Site: Solitron 10/14/19

Job ID: 660-98008-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
5030B	Purge and Trap	SW846	TAL TAM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = Eurofins TestAmerica, Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Accreditation/Certification Summary

Client: Honeywell International Inc
Project/Site: Solitron 10/14/19

Job ID: 660-98008-1

Laboratory: Eurofins TestAmerica, Tampa

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E84282	06-30-20

Eurofins TestAmerica, Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone (813) 885-7427 Fax (813) 885-7049

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: Brian Fox	Lab PM: McDaniel, Bethany A	Carrier Tracking No(s):	COC No: 660-88603-27459.1
Client Contact: John Perella	Phone: 561-866-2747	E-Mail: bethany.mcdaniel@testamericainc.com		Page: Page 1 of 1
Company: ARCADIS U.S. Inc				Job #:
Address: 3109 W. Dr. Martin Luther King Jr. Blvd. Suite 350	Due Date Requested:			
City: Tampa	TAT Requested (days): STANDARD			
State, Zip: FL, 33607				
Phone: 804-530-6211(Tel)	PO #: 4400038537			
Email: jperella@arcadis-us.com	WO #:			
Project Name: Honeywell Solitron	Project #: 66002759			
Site: Florida	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - 8260 Custom List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
INFLUENT	10/14/19	1410	G	Water	No	No	X	3	
EFFLUENT	↓	1420	↓	Water	No	No	X	3	
				Water					

Loc: 660
98008

660-98008 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: [signature]	Date/Time: 10/14/19 1500	Company	Received by: [signature]	Date/Time: 10/15/19 0850	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.: 1130420
Cooler Temperature(s) °C and Other Remarks: 0.8/0.9 °C CW-09

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Honeywell International Inc

Job Number: 660-98008-1

Login Number: 98008
List Number: 1
Creator: Hornsby, Terry

List Source: Eurofins TestAmerica, Tampa

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

NOVEMBER 2019

SYSTEM

~ AIR:

J17455-1 UDS Level 2 Report Final Report

~ MWs-INF-ENF:

J98981-1 UDS Level 2 Report Final Report

J99004-1 UDS Level 2 Report Final Report

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
Tel: (865)291-3000

Laboratory Job ID: 140-17455-1
Client Project/Site: Solitron 11/22/19

For:
Honeywell International Inc
Remediation & Evaluation Services
115 Tabor Road
Morris Plains, New Jersey 07950

Attn: Prashant Gupta

Bethany McDaniel

Authorized for release by:
12/3/2019 11:34:28 AM

Bethany McDaniel, Senior Project Manager
(713)358-2005
bethany.mcdaniel@testamericainc.com

LINKS

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Visit us at: www.testamericainc.com

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

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

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

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Definitions/Glossary

Client: Honeywell International Inc
Project/Site: Solitron 11/22/19

Job ID: 140-17455-1

Qualifiers

Air - GC/MS VOA

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

Glossary

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

Job ID: 140-17455-1

Laboratory: Eurofins TestAmerica, Knoxville

Narrative

Job Narrative
140-17455-1

Comments
No additional comments.

Receipt
The sample was received on 11/25/2019 2:10 PM; the sample arrived in good condition, properly preserved and, where required, on ice.

Air - GC/MS VOA
Methods TO 15 LL, TO-14A, TO-15: EPA methods TO-14A and TO-15 specify the use of humidified "zero air" as the blank reagent for canister cleaning, instrument calibration and sample analysis. Ultra-high purity humidified nitrogen from a cryogenic reservoir is used in place of "zero air" by Eurofins TestAmerica Knoxville.

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

Detection Summary

Client: Honeywell International Inc
Project/Site: Solitron 11/22/19

Job ID: 140-17455-1

Client Sample ID: EFFLUENT 112219 — Lab Sample ID: 140-17455-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	15		6.4	1.8	ug/m3	3.38		TO-15	Total/NA
Chlorobenzene	36		9.2	2.3	ug/m3	3.38		TO-15	Total/NA
cis-1,2-Dichloroethene	970		7.9	2.4	ug/m3	3.38		TO-15	Total/NA
1,1-Dichloroethene	3.7	I	7.9	1.3	ug/m3	3.38		TO-15	Total/NA
Ethylbenzene	3.0	I	8.7	3.0	ug/m3	3.38		TO-15	Total/NA
m-Xylene & p-Xylene	9.8		8.7	5.2	ug/m3	3.38		TO-15	Total/NA
o-Xylene	2.9	I	8.7	2.6	ug/m3	3.38		TO-15	Total/NA
Toluene	6.9	I	38	4.5	ug/m3	3.38		TO-15	Total/NA
Trichloroethene	15		11	1.9	ug/m3	3.38		TO-15	Total/NA
Trichlorofluoromethane	1.5	I	11	1.4	ug/m3	3.38		TO-15	Total/NA
Vinyl chloride	580		10	1.8	ug/m3	3.38		TO-15	Total/NA

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4.7		2.0	0.56	ppb v/v	3.38		TO-15	Total/NA
Chlorobenzene	7.9		2.0	0.49	ppb v/v	3.38		TO-15	Total/NA
cis-1,2-Dichloroethene	240		2.0	0.60	ppb v/v	3.38		TO-15	Total/NA
1,1-Dichloroethene	0.93	I	2.0	0.34	ppb v/v	3.38		TO-15	Total/NA
Ethylbenzene	0.69	I	2.0	0.68	ppb v/v	3.38		TO-15	Total/NA
m-Xylene & p-Xylene	2.3		2.0	1.2	ppb v/v	3.38		TO-15	Total/NA
o-Xylene	0.66	I	2.0	0.61	ppb v/v	3.38		TO-15	Total/NA
Toluene	1.8	I	10	1.2	ppb v/v	3.38		TO-15	Total/NA
Trichloroethene	2.7		2.0	0.36	ppb v/v	3.38		TO-15	Total/NA
Trichlorofluoromethane	0.26	I	2.0	0.25	ppb v/v	3.38		TO-15	Total/NA
Vinyl chloride	230		4.0	0.71	ppb v/v	3.38		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Honeywell International Inc
Project/Site: Solitron 11/22/19

Job ID: 140-17455-1

Client Sample ID: EFFLUENT 112219

Lab Sample ID: 140-17455-1

Date Collected: 11/22/19 13:06
Matrix: Air
Date Received: 11/25/19 14:10
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**15**		6.4	1.8	ug/m3			11/29/19 15:39	3.38
Benzyl chloride	4.0	U	21	4.0	ug/m3			11/29/19 15:39	3.38
Bromomethane	1.2	U	7.8	1.2	ug/m3			11/29/19 15:39	3.38
Carbon tetrachloride	2.4	U	13	2.4	ug/m3			11/29/19 15:39	3.38
Chlorobenzene	**36**		9.2	2.3	ug/m3			11/29/19 15:39	3.38
Chloroethane	0.92	U	5.3	0.92	ug/m3			11/29/19 15:39	3.38
Chloroform	1.9	U	9.8	1.9	ug/m3			11/29/19 15:39	3.38
Chloromethane	3.3	U	21	3.3	ug/m3			11/29/19 15:39	3.38
cis-1,2-Dichloroethene	**970**		7.9	2.4	ug/m3			11/29/19 15:39	3.38
cis-1,3-Dichloropropene	3.4	U	18	3.4	ug/m3			11/29/19 15:39	3.38
1,2-Dibromoethane (EDB)	3.4	U	15	3.4	ug/m3			11/29/19 15:39	3.38
1,2-Dichlorobenzene	4.2	U	24	4.2	ug/m3			11/29/19 15:39	3.38
1,3-Dichlorobenzene	3.9	U	12	3.9	ug/m3			11/29/19 15:39	3.38
1,4-Dichlorobenzene	3.8	U	12	3.8	ug/m3			11/29/19 15:39	3.38
Dichlorodifluoromethane	3.4	U	9.9	3.4	ug/m3			11/29/19 15:39	3.38
1,1-Dichloroethane	1.1	U	8.1	1.1	ug/m3			11/29/19 15:39	3.38
1,2-Dichloroethane	1.9	U	8.1	1.9	ug/m3			11/29/19 15:39	3.38
1,1-Dichloroethene	**3.7**	**I**	7.9	1.3	ug/m3			11/29/19 15:39	3.38
1,2-Dichloro-1,1,2,2-tetrafluoroethane	2.2	U	14	2.2	ug/m3			11/29/19 15:39	3.38
Ethylbenzene	**3.0**	**I**	8.7	3.0	ug/m3			11/29/19 15:39	3.38
Hexachlorobutadiene	8.3	U	110	8.3	ug/m3			11/29/19 15:39	3.38
Methylene Chloride	11	U	35	11	ug/m3			11/29/19 15:39	3.38
m-Xylene & p-Xylene	**9.8**		8.7	5.2	ug/m3			11/29/19 15:39	3.38
o-Xylene	**2.9**	**I**	8.7	2.6	ug/m3			11/29/19 15:39	3.38
Styrene	2.5	U	8.5	2.5	ug/m3			11/29/19 15:39	3.38
1,1,2,2-Tetrachloroethane	4.2	U	14	4.2	ug/m3			11/29/19 15:39	3.38
Tetrachloroethene	2.7	U	14	2.7	ug/m3			11/29/19 15:39	3.38
Toluene	**6.9**	**I**	38	4.5	ug/m3			11/29/19 15:39	3.38
trans-1,3-Dichloropropene	2.2	U	9.1	2.2	ug/m3			11/29/19 15:39	3.38
1,2,4-Trichlorobenzene	7.3	U	74	7.3	ug/m3			11/29/19 15:39	3.38
1,1,1-Trichloroethane	1.6	U	11	1.6	ug/m3			11/29/19 15:39	3.38
1,1,2-Trichloroethane	2.8	U	11	2.8	ug/m3			11/29/19 15:39	3.38
Trichloroethene	**15**		11	1.9	ug/m3			11/29/19 15:39	3.38
Trichlorofluoromethane	**1.5**	**I**	11	1.4	ug/m3			11/29/19 15:39	3.38
1,1,2-Trichloro-1,2,2-trifluoroethane	2.4	U	15	2.4	ug/m3			11/29/19 15:39	3.38
1,2,4-Trimethylbenzene	3.1	U	9.8	3.1	ug/m3			11/29/19 15:39	3.38
1,3,5-Trimethylbenzene	3.2	U	9.8	3.2	ug/m3			11/29/19 15:39	3.38
Undecane	4.0	U	64	4.0	ug/m3			11/29/19 15:39	3.38
Vinyl chloride	**580**		10	1.8	ug/m3			11/29/19 15:39	3.38

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**4.7**		2.0	0.56	ppb v/v			11/29/19 15:39	3.38
Benzyl chloride	0.78	U	4.0	0.78	ppb v/v			11/29/19 15:39	3.38
Bromomethane	0.32	U	2.0	0.32	ppb v/v			11/29/19 15:39	3.38
Carbon tetrachloride	0.38	U	2.0	0.38	ppb v/v			11/29/19 15:39	3.38
Chlorobenzene	**7.9**		2.0	0.49	ppb v/v			11/29/19 15:39	3.38
Chloroethane	0.35	U	2.0	0.35	ppb v/v			11/29/19 15:39	3.38
Chloroform	0.38	U	2.0	0.38	ppb v/v			11/29/19 15:39	3.38
Chloromethane	1.6	U	10	1.6	ppb v/v			11/29/19 15:39	3.38

Client Sample Results

Client: Honeywell International Inc
Project/Site: Solitron 11/22/19

Job ID: 140-17455-1

Client Sample ID: EFFLUENT 112219

Lab Sample ID: 140-17455-1

Date Collected: 11/22/19 13:06
Matrix: Air
Date Received: 11/25/19 14:10
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**240**		2.0	0.60	ppb v/v			11/29/19 15:39	3.38
cis-1,3-Dichloropropene	0.74	U	4.0	0.74	ppb v/v			11/29/19 15:39	3.38
1,2-Dibromoethane (EDB)	0.44	U	2.0	0.44	ppb v/v			11/29/19 15:39	3.38
1,2-Dichlorobenzene	0.70	U	4.0	0.70	ppb v/v			11/29/19 15:39	3.38
1,3-Dichlorobenzene	0.65	U	2.0	0.65	ppb v/v			11/29/19 15:39	3.38
1,4-Dichlorobenzene	0.64	U	2.0	0.64	ppb v/v			11/29/19 15:39	3.38
Dichlorodifluoromethane	0.68	U	2.0	0.68	ppb v/v			11/29/19 15:39	3.38
1,1-Dichloroethane	0.26	U	2.0	0.26	ppb v/v			11/29/19 15:39	3.38
1,2-Dichloroethane	0.47	U	2.0	0.47	ppb v/v			11/29/19 15:39	3.38
1,1-Dichloroethene	**0.93**	**I**	2.0	0.34	ppb v/v			11/29/19 15:39	3.38
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.32	U	2.0	0.32	ppb v/v			11/29/19 15:39	3.38
Ethylbenzene	**0.69**	**I**	2.0	0.68	ppb v/v			11/29/19 15:39	3.38
Hexachlorobutadiene	0.78	U	10	0.78	ppb v/v			11/29/19 15:39	3.38
Methylene Chloride	3.2	U	10	3.2	ppb v/v			11/29/19 15:39	3.38
m-Xylene & p-Xylene	**2.3**		2.0	1.2	ppb v/v			11/29/19 15:39	3.38
o-Xylene	**0.66**	**I**	2.0	0.61	ppb v/v			11/29/19 15:39	3.38
Styrene	0.58	U	2.0	0.58	ppb v/v			11/29/19 15:39	3.38
1,1,2,2-Tetrachloroethane	0.61	U	2.0	0.61	ppb v/v			11/29/19 15:39	3.38
Tetrachloroethene	0.40	U	2.0	0.40	ppb v/v			11/29/19 15:39	3.38
Toluene	**1.8**	**I**	10	1.2	ppb v/v			11/29/19 15:39	3.38
trans-1,3-Dichloropropene	0.48	U	2.0	0.48	ppb v/v			11/29/19 15:39	3.38
1,2,4-Trichlorobenzene	0.98	U	10	0.98	ppb v/v			11/29/19 15:39	3.38
1,1,1-Trichloroethane	0.30	U	2.0	0.30	ppb v/v			11/29/19 15:39	3.38
1,1,2-Trichloroethane	0.52	U	2.0	0.52	ppb v/v			11/29/19 15:39	3.38
Trichloroethene	**2.7**		2.0	0.36	ppb v/v			11/29/19 15:39	3.38
Trichlorofluoromethane	**0.26**	**I**	2.0	0.25	ppb v/v			11/29/19 15:39	3.38
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	2.0	0.31	ppb v/v			11/29/19 15:39	3.38
1,2,4-Trimethylbenzene	0.63	U	2.0	0.63	ppb v/v			11/29/19 15:39	3.38
1,3,5-Trimethylbenzene	0.65	U	2.0	0.65	ppb v/v			11/29/19 15:39	3.38
Undecane	0.62	U	10	0.62	ppb v/v			11/29/19 15:39	3.38
Vinyl chloride	**230**		4.0	0.71	ppb v/v			11/29/19 15:39	3.38

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*60 - 140*		*11/29/19 15:39*	*3.38*

Default Detection Limits

Client: Honeywell International Inc
Project/Site: Solitron 11/22/19

Job ID: 140-17455-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	PQL	MDL	Units
1,1,1-Trichloroethane	1.1	0.16	ug/m3
1,1,1-Trichloroethane	0.20	0.030	ppb v/v
1,1,2,2-Tetrachloroethane	1.4	0.42	ug/m3
1,1,2,2-Tetrachloroethane	0.20	0.061	ppb v/v
1,1,2-Trichloro-1,2,2-trifluoroethane	1.5	0.24	ug/m3
1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	0.031	ppb v/v
1,1,2-Trichloroethane	1.1	0.28	ug/m3
1,1,2-Trichloroethane	0.20	0.052	ppb v/v
1,1-Dichloroethane	0.81	0.11	ug/m3
1,1-Dichloroethane	0.20	0.026	ppb v/v
1,1-Dichloroethene	0.79	0.13	ug/m3
1,1-Dichloroethene	0.20	0.034	ppb v/v
1,2,4-Trichlorobenzene	7.4	0.73	ug/m3
1,2,4-Trichlorobenzene	1.0	0.098	ppb v/v
1,2,4-Trimethylbenzene	0.98	0.31	ug/m3
1,2,4-Trimethylbenzene	0.20	0.063	ppb v/v
1,2-Dibromoethane (EDB)	1.5	0.34	ug/m3
1,2-Dibromoethane (EDB)	0.20	0.044	ppb v/v
1,2-Dichloro-1,1,2,2-tetrafluoroethane	1.4	0.22	ug/m3
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.20	0.032	ppb v/v
1,2-Dichlorobenzene	2.4	0.42	ug/m3
1,2-Dichlorobenzene	0.40	0.070	ppb v/v
1,2-Dichloroethane	0.81	0.19	ug/m3
1,2-Dichloroethane	0.20	0.047	ppb v/v
1,3,5-Trimethylbenzene	0.98	0.32	ug/m3
1,3,5-Trimethylbenzene	0.20	0.065	ppb v/v
1,3-Dichlorobenzene	1.2	0.39	ug/m3
1,3-Dichlorobenzene	0.20	0.065	ppb v/v
1,4-Dichlorobenzene	1.2	0.38	ug/m3
1,4-Dichlorobenzene	0.20	0.064	ppb v/v
Benzene	0.64	0.18	ug/m3
Benzene	0.20	0.056	ppb v/v
Benzyl chloride	2.1	0.40	ug/m3
Benzyl chloride	0.40	0.078	ppb v/v
Bromomethane	0.78	0.12	ug/m3
Bromomethane	0.20	0.032	ppb v/v
Carbon tetrachloride	1.3	0.24	ug/m3
Carbon tetrachloride	0.20	0.038	ppb v/v
Chlorobenzene	0.92	0.23	ug/m3
Chlorobenzene	0.20	0.049	ppb v/v
Chloroethane	0.53	0.092	ug/m3
Chloroethane	0.20	0.035	ppb v/v
Chloroform	0.98	0.19	ug/m3
Chloroform	0.20	0.038	ppb v/v
Chloromethane	2.1	0.33	ug/m3
Chloromethane	1.0	0.16	ppb v/v
cis-1,2-Dichloroethene	0.79	0.24	ug/m3
cis-1,2-Dichloroethene	0.20	0.060	ppb v/v
cis-1,3-Dichloropropene	1.8	0.34	ug/m3
cis-1,3-Dichloropropene	0.40	0.074	ppb v/v
Dichlorodifluoromethane	0.99	0.34	ug/m3
Dichlorodifluoromethane	0.20	0.068	ppb v/v
Ethylbenzene	0.87	0.30	ug/m3

Default Detection Limits

Client: Honeywell International Inc
Project/Site: Solitron 11/22/19

Job ID: 140-17455-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	PQL	MDL	Units
Ethylbenzene	0.20	0.068	ppb v/v
Hexachlorobutadiene	11	0.83	ug/m3
Hexachlorobutadiene	1.0	0.078	ppb v/v
Methylene Chloride	3.5	1.1	ug/m3
Methylene Chloride	1.0	0.32	ppb v/v
m-Xylene & p-Xylene	0.87	0.52	ug/m3
m-Xylene & p-Xylene	0.20	0.12	ppb v/v
o-Xylene	0.87	0.26	ug/m3
o-Xylene	0.20	0.061	ppb v/v
Styrene	0.85	0.25	ug/m3
Styrene	0.20	0.058	ppb v/v
Tetrachloroethene	1.4	0.27	ug/m3
Tetrachloroethene	0.20	0.040	ppb v/v
Toluene	3.8	0.45	ug/m3
Toluene	1.0	0.12	ppb v/v
trans-1,3-Dichloropropene	0.91	0.22	ug/m3
trans-1,3-Dichloropropene	0.20	0.048	ppb v/v
Trichloroethene	1.1	0.19	ug/m3
Trichloroethene	0.20	0.036	ppb v/v
Trichlorofluoromethane	1.1	0.14	ug/m3
Trichlorofluoromethane	0.20	0.025	ppb v/v
Undecane	6.4	0.40	ug/m3
Undecane	1.0	0.062	ppb v/v
Vinyl chloride	1.0	0.18	ug/m3
Vinyl chloride	0.40	0.071	ppb v/v

Surrogate Summary

Client: Honeywell International Inc
Project/Site: Solitron 11/22/19

Job ID: 140-17455-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Matrix: Air **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	**Client Sample ID**	**BFB (60-140)**							
140-17455-1	EFFLUENT 112219	99							
LCS 140-35685/1002	Lab Control Sample	98							
MB 140-35685/4	Method Blank	100							

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 140-35685/4
Matrix: Air
Analysis Batch: 35685

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.18	U	0.64	0.18	ug/m3			11/29/19 11:53	1
Benzyl chloride	0.40	U	2.1	0.40	ug/m3			11/29/19 11:53	1
Bromomethane	0.12	U	0.78	0.12	ug/m3			11/29/19 11:53	1
Carbon tetrachloride	0.24	U	1.3	0.24	ug/m3			11/29/19 11:53	1
Chlorobenzene	0.23	U	0.92	0.23	ug/m3			11/29/19 11:53	1
Chloroethane	0.092	U	0.53	0.092	ug/m3			11/29/19 11:53	1
Chloroform	0.19	U	0.98	0.19	ug/m3			11/29/19 11:53	1
Chloromethane	0.33	U	2.1	0.33	ug/m3			11/29/19 11:53	1
cis-1,2-Dichloroethene	0.24	U	0.79	0.24	ug/m3			11/29/19 11:53	1
cis-1,3-Dichloropropene	0.34	U	1.8	0.34	ug/m3			11/29/19 11:53	1
1,2-Dibromoethane (EDB)	0.34	U	1.5	0.34	ug/m3			11/29/19 11:53	1
1,2-Dichlorobenzene	0.42	U	2.4	0.42	ug/m3			11/29/19 11:53	1
1,3-Dichlorobenzene	0.39	U	1.2	0.39	ug/m3			11/29/19 11:53	1
1,4-Dichlorobenzene	0.38	U	1.2	0.38	ug/m3			11/29/19 11:53	1
Dichlorodifluoromethane	0.34	U	0.99	0.34	ug/m3			11/29/19 11:53	1
1,1-Dichloroethane	0.11	U	0.81	0.11	ug/m3			11/29/19 11:53	1
1,2-Dichloroethane	0.19	U	0.81	0.19	ug/m3			11/29/19 11:53	1
1,1-Dichloroethene	0.13	U	0.79	0.13	ug/m3			11/29/19 11:53	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.22	U	1.4	0.22	ug/m3			11/29/19 11:53	1
Ethylbenzene	0.30	U	0.87	0.30	ug/m3			11/29/19 11:53	1
Hexachlorobutadiene	0.83	U	11	0.83	ug/m3			11/29/19 11:53	1
Methylene Chloride	1.1	U	3.5	1.1	ug/m3			11/29/19 11:53	1
m-Xylene & p-Xylene	0.52	U	0.87	0.52	ug/m3			11/29/19 11:53	1
o-Xylene	0.26	U	0.87	0.26	ug/m3			11/29/19 11:53	1
Styrene	0.25	U	0.85	0.25	ug/m3			11/29/19 11:53	1
1,1,2,2-Tetrachloroethane	0.42	U	1.4	0.42	ug/m3			11/29/19 11:53	1
Tetrachloroethene	0.27	U	1.4	0.27	ug/m3			11/29/19 11:53	1
Toluene	0.45	U	3.8	0.45	ug/m3			11/29/19 11:53	1
trans-1,3-Dichloropropene	0.22	U	0.91	0.22	ug/m3			11/29/19 11:53	1
1,2,4-Trichlorobenzene	0.73	U	7.4	0.73	ug/m3			11/29/19 11:53	1
1,1,1-Trichloroethane	0.16	U	1.1	0.16	ug/m3			11/29/19 11:53	1
1,1,2-Trichloroethane	0.28	U	1.1	0.28	ug/m3			11/29/19 11:53	1
Trichloroethene	0.19	U	1.1	0.19	ug/m3			11/29/19 11:53	1
Trichlorofluoromethane	0.14	U	1.1	0.14	ug/m3			11/29/19 11:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.24	U	1.5	0.24	ug/m3			11/29/19 11:53	1
1,2,4-Trimethylbenzene	0.31	U	0.98	0.31	ug/m3			11/29/19 11:53	1
1,3,5-Trimethylbenzene	0.32	U	0.98	0.32	ug/m3			11/29/19 11:53	1
Undecane	0.40	U	6.4	0.40	ug/m3			11/29/19 11:53	1
Vinyl chloride	0.18	U	1.0	0.18	ug/m3			11/29/19 11:53	1

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.056	U	0.20	0.056	ppb v/v			11/29/19 11:53	1
Benzyl chloride	0.078	U	0.40	0.078	ppb v/v			11/29/19 11:53	1
Bromomethane	0.032	U	0.20	0.032	ppb v/v			11/29/19 11:53	1
Carbon tetrachloride	0.038	U	0.20	0.038	ppb v/v			11/29/19 11:53	1
Chlorobenzene	0.049	U	0.20	0.049	ppb v/v			11/29/19 11:53	1
Chloroethane	0.035	U	0.20	0.035	ppb v/v			11/29/19 11:53	1
Chloroform	0.038	U	0.20	0.038	ppb v/v			11/29/19 11:53	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 140-35685/4
Matrix: Air
Analysis Batch: 35685

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	0.16	U	1.0	0.16	ppb v/v			11/29/19 11:53	1
cis-1,2-Dichloroethene	0.060	U	0.20	0.060	ppb v/v			11/29/19 11:53	1
cis-1,3-Dichloropropene	0.074	U	0.40	0.074	ppb v/v			11/29/19 11:53	1
1,2-Dibromoethane (EDB)	0.044	U	0.20	0.044	ppb v/v			11/29/19 11:53	1
1,2-Dichlorobenzene	0.070	U	0.40	0.070	ppb v/v			11/29/19 11:53	1
1,3-Dichlorobenzene	0.065	U	0.20	0.065	ppb v/v			11/29/19 11:53	1
1,4-Dichlorobenzene	0.064	U	0.20	0.064	ppb v/v			11/29/19 11:53	1
Dichlorodifluoromethane	0.068	U	0.20	0.068	ppb v/v			11/29/19 11:53	1
1,1-Dichloroethane	0.026	U	0.20	0.026	ppb v/v			11/29/19 11:53	1
1,2-Dichloroethane	0.047	U	0.20	0.047	ppb v/v			11/29/19 11:53	1
1,1-Dichloroethene	0.034	U	0.20	0.034	ppb v/v			11/29/19 11:53	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.032	U	0.20	0.032	ppb v/v			11/29/19 11:53	1
Ethylbenzene	0.068	U	0.20	0.068	ppb v/v			11/29/19 11:53	1
Hexachlorobutadiene	0.078	U	1.0	0.078	ppb v/v			11/29/19 11:53	1
Methylene Chloride	0.32	U	1.0	0.32	ppb v/v			11/29/19 11:53	1
m-Xylene & p-Xylene	0.12	U	0.20	0.12	ppb v/v			11/29/19 11:53	1
o-Xylene	0.061	U	0.20	0.061	ppb v/v			11/29/19 11:53	1
Styrene	0.058	U	0.20	0.058	ppb v/v			11/29/19 11:53	1
1,1,2,2-Tetrachloroethane	0.061	U	0.20	0.061	ppb v/v			11/29/19 11:53	1
Tetrachloroethene	0.040	U	0.20	0.040	ppb v/v			11/29/19 11:53	1
Toluene	0.12	U	1.0	0.12	ppb v/v			11/29/19 11:53	1
trans-1,3-Dichloropropene	0.048	U	0.20	0.048	ppb v/v			11/29/19 11:53	1
1,2,4-Trichlorobenzene	0.098	U	1.0	0.098	ppb v/v			11/29/19 11:53	1
1,1,1-Trichloroethane	0.030	U	0.20	0.030	ppb v/v			11/29/19 11:53	1
1,1,2-Trichloroethane	0.052	U	0.20	0.052	ppb v/v			11/29/19 11:53	1
Trichloroethene	0.036	U	0.20	0.036	ppb v/v			11/29/19 11:53	1
Trichlorofluoromethane	0.025	U	0.20	0.025	ppb v/v			11/29/19 11:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.031	U	0.20	0.031	ppb v/v			11/29/19 11:53	1
1,2,4-Trimethylbenzene	0.063	U	0.20	0.063	ppb v/v			11/29/19 11:53	1
1,3,5-Trimethylbenzene	0.065	U	0.20	0.065	ppb v/v			11/29/19 11:53	1
Undecane	0.062	U	1.0	0.062	ppb v/v			11/29/19 11:53	1
Vinyl chloride	0.071	U	0.40	0.071	ppb v/v			11/29/19 11:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*60 - 140*		*11/29/19 11:53*	*1*

Lab Sample ID: LCS 140-35685/1002
Matrix: Air
Analysis Batch: 35685

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	6.39	6.48		ug/m3		101	70 - 130
Benzyl chloride	10.4	10.2		ug/m3		99	70 - 130
Bromomethane	7.77	8.05		ug/m3		104	70 - 130
Carbon tetrachloride	12.6	14.1		ug/m3		112	70 - 130
Chlorobenzene	9.21	8.43		ug/m3		92	70 - 130
Chloroethane	5.28	5.32		ug/m3		101	70 - 130
Chloroform	9.77	10.6		ug/m3		109	70 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 140-35685/1002
Matrix: Air
Analysis Batch: 35685

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	4.13	4.57		ug/m3		111	60 - 140
cis-1,2-Dichloroethene	7.93	8.52		ug/m3		107	70 - 130
cis-1,3-Dichloropropene	9.08	8.87		ug/m3		98	70 - 130
1,2-Dibromoethane (EDB)	15.4	14.6		ug/m3		95	70 - 130
1,2-Dichlorobenzene	12.0	10.9		ug/m3		90	70 - 130
1,3-Dichlorobenzene	12.0	10.7		ug/m3		89	70 - 130
1,4-Dichlorobenzene	12.0	10.6		ug/m3		88	70 - 130
Dichlorodifluoromethane	9.89	11.8		ug/m3		119	60 - 140
1,1-Dichloroethane	8.09	8.82		ug/m3		109	70 - 130
1,2-Dichloroethane	8.09	8.57		ug/m3		106	70 - 130
1,1-Dichloroethene	7.93	8.43		ug/m3		106	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	14.0	15.9		ug/m3		114	60 - 140
Ethylbenzene	8.68	8.84		ug/m3		102	70 - 130
Hexachlorobutadiene	21.3	22.1		ug/m3		104	60 - 140
Methylene Chloride	6.95	7.45		ug/m3		107	70 - 130
m-Xylene & p-Xylene	17.4	17.9		ug/m3		103	70 - 130
o-Xylene	8.68	9.25		ug/m3		107	70 - 130
Styrene	8.52	8.36		ug/m3		98	70 - 130
1,1,2,2-Tetrachloroethane	13.7	14.1		ug/m3		103	70 - 130
Tetrachloroethene	13.6	12.7		ug/m3		94	70 - 130
Toluene	7.54	7.42		ug/m3		98	70 - 130
trans-1,3-Dichloropropene	9.08	8.93		ug/m3		98	70 - 130
1,2,4-Trichlorobenzene	14.8	14.8		ug/m3		100	60 - 140
1,1,1-Trichloroethane	10.9	12.2		ug/m3		112	70 - 130
1,1,2-Trichloroethane	10.9	10.7		ug/m3		98	70 - 130
Trichloroethene	10.7	10.2		ug/m3		95	70 - 130
Trichlorofluoromethane	11.2	12.5		ug/m3		111	60 - 140
1,1,2-Trichloro-1,2,2-trifluoroethane	15.3	16.6		ug/m3		108	70 - 130
1,2,4-Trimethylbenzene	9.83	9.71		ug/m3		99	70 - 130
1,3,5-Trimethylbenzene	9.83	9.79		ug/m3		100	70 - 130
Undecane	12.8	12.7		ug/m3		99	60 - 140
Vinyl chloride	5.11	5.37		ug/m3		105	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	2.0	2.03		ppb v/v		101	70 - 130
Benzyl chloride	2.0	1.98		ppb v/v		99	70 - 130
Bromomethane	2.0	2.07		ppb v/v		104	70 - 130
Carbon tetrachloride	2.0	2.24		ppb v/v		112	70 - 130
Chlorobenzene	2.0	1.83		ppb v/v		92	70 - 130
Chloroethane	2.0	2.02		ppb v/v		101	70 - 130
Chloroform	2.0	2.18		ppb v/v		109	70 - 130
Chloromethane	2.0	2.22		ppb v/v		111	60 - 140
cis-1,2-Dichloroethene	2.0	2.15		ppb v/v		107	70 - 130
cis-1,3-Dichloropropene	2.0	1.95		ppb v/v		98	70 - 130
1,2-Dibromoethane (EDB)	2.0	1.91		ppb v/v		95	70 - 130
1,2-Dichlorobenzene	2.0	1.81		ppb v/v		90	70 - 130
1,3-Dichlorobenzene	2.0	1.78		ppb v/v		89	70 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 140-35685/1002
Matrix: Air
Analysis Batch: 35685

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	2.0	1.76		ppb v/v		88	70 - 130
Dichlorodifluoromethane	2.0	2.38		ppb v/v		119	60 - 140
1,1-Dichloroethane	2.0	2.18		ppb v/v		109	70 - 130
1,2-Dichloroethane	2.0	2.12		ppb v/v		106	70 - 130
1,1-Dichloroethene	2.0	2.13		ppb v/v		106	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	2.0	2.27		ppb v/v		114	60 - 140
Ethylbenzene	2.0	2.04		ppb v/v		102	70 - 130
Hexachlorobutadiene	2.0	2.08		ppb v/v		104	60 - 140
Methylene Chloride	2.0	2.15		ppb v/v		107	70 - 130
m-Xylene & p-Xylene	4.0	4.12		ppb v/v		103	70 - 130
o-Xylene	2.0	2.13		ppb v/v		107	70 - 130
Styrene	2.0	1.96		ppb v/v		98	70 - 130
1,1,2,2-Tetrachloroethane	2.0	2.06		ppb v/v		103	70 - 130
Tetrachloroethene	2.0	1.88		ppb v/v		94	70 - 130
Toluene	2.0	1.97		ppb v/v		98	70 - 130
trans-1,3-Dichloropropene	2.0	1.97		ppb v/v		98	70 - 130
1,2,4-Trichlorobenzene	2.0	1.99		ppb v/v		100	60 - 140
1,1,1-Trichloroethane	2.0	2.23		ppb v/v		112	70 - 130
1,1,2-Trichloroethane	2.0	1.96		ppb v/v		98	70 - 130
Trichloroethene	2.0	1.90		ppb v/v		95	70 - 130
Trichlorofluoromethane	2.0	2.22		ppb v/v		111	60 - 140
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	2.16		ppb v/v		108	70 - 130
1,2,4-Trimethylbenzene	2.0	1.98		ppb v/v		99	70 - 130
1,3,5-Trimethylbenzene	2.0	1.99		ppb v/v		100	70 - 130
Undecane	2.0	1.98		ppb v/v		99	60 - 140
Vinyl chloride	2.0	2.10		ppb v/v		105	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*60 - 140*

QC Association Summary

Client: Honeywell International Inc
Project/Site: Solitron 11/22/19

Job ID: 140-17455-1

Air - GC/MS VOA

Analysis Batch: 35685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-17455-1	EFFLUENT 112219	Total/NA	Air	TO-15	
MB 140-35685/4	Method Blank	Total/NA	Air	TO-15	
LCS 140-35685/1002	Lab Control Sample	Total/NA	Air	TO-15	

Lab Chronicle

Client: Honeywell International Inc
Project/Site: Solitron 11/22/19

Job ID: 140-17455-1

Client Sample ID: EFFLUENT 112219

Lab Sample ID: 140-17455-1

Date Collected: 11/22/19 13:06
Matrix: Air
Date Received: 11/25/19 14:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		3.38	67.6 mL	500 mL	35685	11/29/19 15:39	S1K	TAL KNX
	Instrument ID: MG									

Client Sample ID: Method Blank

Lab Sample ID: MB 140-35685/4

Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	200 mL	500 mL	35685	11/29/19 11:53	S1K	TAL KNX
	Instrument ID: MG									

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 140-35685/1002

Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	500 mL	500 mL	35685	11/29/19 09:44	S1K	TAL KNX
	Instrument ID: MG									

Laboratory References:

TAL KNX = Eurofins TestAmerica, Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Accreditation/Certification Summary

Client: Honeywell International Inc
Project/Site: Solitron 11/22/19

Job ID: 140-17455-1

Laboratory: Eurofins TestAmerica, Knoxville

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
	AFCEE	N/A	
ANAB	Dept. of Defense ELAP	L2311	02-14-22
ANAB	Dept. of Energy	L2311.01	02-14-22
ANAB	ISO/IEC 17025	L2311	02-13-22
Arkansas DEQ	State	2423	06-16-20
California	State	2423	06-30-20
Colorado	State	TN00009	02-29-20
Connecticut	State	PH-0223	09-30-21
Florida	NELAP	E87177	06-30-20
Georgia (DW)	State	906	04-13-20
Hawaii	State	NA	04-13-20
Kansas	NELAP	E-10349	11-01-20
Kentucky (DW)	State	90101	12-31-19
Louisiana	NELAP	83979	06-30-20
Louisiana (DW)	State	LA019	12-31-19
Maryland	State	277	03-31-20
Michigan	State	9933	04-13-20
Nevada	State	TN00009	07-31-20
New Hampshire	NELAP	299919	01-17-20
New Jersey	NELAP	TN001	06-30-20
New York	NELAP	10781	03-31-20
North Carolina (DW)	State	21705	07-31-20
North Carolina (WW/SW)	State	64	12-31-19
North Carolina (WW/SW)	State Program	64	12-31-19
Ohio VAP	State	CL0059	08-28-20
Oklahoma	State	9415	09-01-20
Oregon	NELAP	TNI0189	01-01-20
Pennsylvania	NELAP	68-00576	12-31-19
Tennessee	State	02014	04-13-20
Texas	NELAP	T104704380-18-12	08-31-20
US Fish & Wildlife	US Federal Programs	058448	07-31-20
USDA	US Federal Programs	P330-19-00236	08-20-22
Utah	NELAP	TN00009	07-31-20
Virginia	NELAP	460176	09-15-20
Washington	State	C593	01-19-20
West Virginia (DW)	State	9955C	12-31-19
West Virginia DEP	State	345	04-30-20
Wisconsin	State	998044300	08-31-20

Laboratory: Eurofins TestAmerica, Tampa

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E84282	06-30-20

Method Summary

Client: Honeywell International Inc
Project/Site: Solitron 11/22/19

Job ID: 140-17455-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	TAL KNX

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL KNX = Eurofins TestAmerica, Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Sample Summary

Client: Honeywell International Inc
Project/Site: Solitron 11/22/19

Job ID: 140-17455-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
140-17455-1	EFFLUENT 112219	Air	11/22/19 13:06	11/25/19 14:10	Air Canister (1-Liter) #11875

Eurofins TestAmerica, Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
Phone 865-291-3000
Fax 865-584-4315

Canister Samples Chain of Custody Record

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

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TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact Information	Client Project Manager: JOHN PERELLA	Samples Collected By: BRIAN FOX 561-866-2747	COC No:
Company Name: ARCADIS	Phone: 813-353-5794		1 of 1 COCs
Address: 1500 GATEWAY BLVD STE-200	Email: JOHN.PERELLA@ARCADIS.COM		
City/State/Zip Boynton Beach, FL 33426			For Lab Use Only:
Phone: 561-697-7000	Site Contact:		Walk-in Client:
FAX:	Tel/Fax		Lab Sampling:
Project Name: HONEYWELL BOLITRON	Analysis Turnaround Time		
Site/Location: RIVIERA BEACH, F.	Standard (Specific): ✓		Job / SDG No.:
P O #	Rush (Specifiy):		(See below for Add'l Items)

Sample Identification	Sample Start Date	Time Start	Sample End Date	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-14/15 (Standard / Low Level)	TO-15 SIM	EPA 3C	EPA 25C	ASTM D-1946	EPA 15/16	Other (Please specify in notes section)	Sample Type	Indoor Air/Ambient Air	Sub-Slab	Soil Gas	Soil Vapor Extraction (SVE)	Landfill Gas	Other (Please specify in notes section)	Sample Specific Notes:
EFFLUENT	11/22/19	1300	11/22/19	1306	-30	Ø	10910	11875		X												X	TRAY STRIPPER

140-17455 Chain of Custody

	Temperature (Fahrenheit)		
	Start	Interior	Ambient
	Stop		

	Pressure (inches of Hg)		
	Start	Interior	Ambient
	Stop		

1-COOLER WITH CUSTODY SEAL
RH 11/25/19
RECEIVED AT AMBIENT TEMP
1-COOLER FED EX 439578379438 GROUND
1-CAN, 1-FLOW(R)

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	Date / Time: 11-22-19 1500	Samples Received by: Rita Hancock 11/25/19 14:10 ETA-KNOX	
Samples Relinquished by:	Date / Time:	Received by:	
Relinquished by:	Date / Time:	Received by:	
Lab Use Only: Shipper Name:	Opened by:	Condition:	

Form No. CA-C-WI-003, Rev. 2.13, dated 4/10/2019

EUROFINS/TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Log In Number:

Review Items	Yes	No	NA	If No, what was the problem?
1. Are the shipping containers intact?	✓			☐ **Containers, Broken**
2. Were ambient air containers received intact?			✓	☐ Checked in lab
3. The coolers/containers custody seal if present, is it intact?	✓			☐ Yes ☐ NA
4. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C, VOST: 10°C) Thermometer ID :_____ Correction factor: _____			✓	☐ **Cooler Out of Temp, Client Contacted, Proceed/Cancel** ☐ **Cooler Out of Temp, Same Day Receipt**
5. Were all of the sample containers received intact?	✓			☐ **Containers, Broken**
6. Were samples received in appropriate containers?	✓			☐ **Containers, Improper; Client Contacted; Proceed/Cancel**
7. Do sample container labels match COC? (IDs, Dates, Times)	✓			☐ **COC & Samples Do Not Match** ☐ **COC Incorrect/Incomplete** ☐ **COC Not Received**
8. Were all of the samples listed on the COC received?	✓			☐ **Sample Received, Not on COC** ☐ **Sample on COC, Not Received**
9. Is the date/time of sample collection noted?	✓			☐ **COC; No Date/Time; Client Contacted**
10. Was the sampler identified on the COC?	✓			☐ **Sampler Not Listed on COC**
11. Is the client and project name/# identified?	✓			☐ **COC Incorrect/Incomplete**
12. Are tests/parameters listed for each sample?	✓			☐ **COC No tests on COC**
13. Is the matrix of the samples noted?	✓			☐ **COC Incorrect/Incomplete**
14. Was COC relinquished? (Signed/Dated/Timed)	✓			☐ **COC Incorrect/Incomplete**
15. Were samples received within holding time?	✓			☐ **Holding Time - Receipt**
16. Were samples received with correct chemical preservative (excluding Encore)?			✓	☐ **pH Adjusted, pH Included (See box 16A)** ☐ **Incorrect Preservative**
17. Were VOA samples received without headspace?			✓	☐ **Headspace (VOA only)**
18. Did you check for residual chlorine, if necessary? (e.g. 1613B, 1668) Chlorine test strip lot number:			✓	☐ **Residual Chlorine**
19. For 1613B water samples is pH<9?			✓	☐ If no, notify lab to adjust
20. For rad samples was sample activity info. Provided?			✓	☐ Project missing info

Comments/Actions Taken

Labeling Verified by: **Date:**

pH test strip lot number:

Box 16A: pH Preservation	Box 18A: Residual Chlorine
Preservative:	
Lot Number:	
Exp Date:	
Analyst:	
Date:	
Time:	

Project #: 66002759 PM Instructions: NA

Sample Receiving Associate: Rita Hancock Date: 11/25/19

QA026R32.doc, 062719

TestAmerica Knoxville - Air Canister Initial Pressure Check

Gauge ID: G5
Date: 11/26/2019

Analyst	Sample ID	Asset #	Cleaning Job	Cert	Size (L)	Pressure @ Receipt (-in Hg or +psig)	Time	Comments
AJR	140-17455-a-1	11875	16990	B	1	-2.6	1109	

□ Receiving –Air Can –Calve Open (NCM #_____)
□ Air - Can P -24 to -25 " - Flow Contr. Works (NCM#_____)
□ Air - Can P -24 to -25 " - Flow Contr. Faulty (NCM#_____)
□ Air - Can P Out -26" - Flow Contr. Works (NCM#_____)
□ Air - Can P Out -26" - Flow Contr. Faulty (NCM#_____)
□ Air - Can P Low -24 to -25 " - Grab Sample (NCM#_____)
□ Air - Can P Low -26 "- Grab Sample (NCM#_____)

Summa Canister Dilution Worksheet

Client: Honeywell International Inc
Project/Site: Solitron 11/22/19

Job No.: 140-17455-1

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Pressure Gauge ID	Date	Analyst Initals
140-17455-1	1	30.7	0.91	0.91	30.7	3.09	3.09		3.38	3.38	G5	11/27/19 8:55	HMT

Formulae:

Preadjusted Volume (L) = (Preadjusted Pressure ("Hg) + 29.92 "Hg * Vol L) / 29.92 "Hg
Adjusted Volume (L) = (Adjusted Pressure (psig) + 14.7 psig * Vol L) / 14.7 psig
Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury (“Hg)
14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 660-98981-1
Client Project/Site: Solitron 11/18-11/20

For:
Honeywell International Inc
Remediation & Evaluation Services
115 Tabor Road
Morris Plains, New Jersey 07950

Attn: Prashant Gupta

Bethany McDaniel

Authorized for release by:
12/13/2019 12:51:34 PM

Bethany McDaniel, Senior Project Manager
(713)358-2005
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LINKS

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

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

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

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Sample Summary

Client: Honeywell International Inc
Project/Site: Solitron 11/18-11/20

Job ID: 660-98981-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
660-98981-1	MW-1B (115-125)	Water	11/19/19 14:54	11/21/19 08:50	
660-98981-2	MW-1C (142-152)	Water	11/19/19 15:29	11/21/19 08:50	
660-98981-3	MW-1D (200-210)	Water	11/20/19 09:27	11/21/19 08:50	
660-98981-4	MW-1E (220-230)	Water	11/20/19 10:51	11/21/19 08:50	
660-98981-5	MW-1F (280-290)	Water	11/20/19 12:54	11/21/19 08:50	
660-98981-6	MW-3B (115-125)	Water	11/19/19 12:36	11/21/19 08:50	
660-98981-7	MW-3C (179-209)	Water	11/19/19 12:00	11/21/19 08:50	
660-98981-8	MW-4B (117-127)	Water	11/19/19 13:30	11/21/19 08:50	
660-98981-9	MW-4C (142-52)	Water	11/19/19 14:07	11/21/19 08:50	
660-98981-10	MW-12A (25-50)	Water	11/19/19 09:04	11/21/19 08:50	
660-98981-11	MW-12B (75-100)	Water	11/19/19 10:04	11/21/19 08:50	
660-98981-12	MW-13A (18.5-28.5)	Water	11/18/19 14:39	11/21/19 08:50	
660-98981-13	MW-13B (92-112)	Water	11/18/19 15:44	11/21/19 08:50	
660-98981-14	MW-13C (167-197)	Water	11/18/19 17:24	11/21/19 08:50	
660-98981-15	MW-14A (18.5-28.5)	Water	11/18/19 10:28	11/21/19 08:50	
660-98981-16	MW-14B (88.5-108.5)	Water	11/18/19 12:28	11/21/19 08:50	
660-98981-17	MW-14C (167-197)	Water	11/18/19 14:10	11/21/19 08:50	
660-98981-18	MW-20A (70-80)	Water	11/20/19 13:41	11/21/19 08:50	
660-98981-19	MW-20B (125-135)	Water	11/20/19 14:13	11/21/19 08:50	
660-98981-20	MW-20C (225-235)	Water	11/20/19 14:47	11/21/19 08:50	
660-98981-21	Field Blank	Water	11/18/19 10:00	11/21/19 08:50	
660-98981-22	Field Blank	Water	11/19/19 07:45	11/21/19 08:50	
660-98981-23	Field Blank	Water	11/20/19 07:30	11/21/19 08:50	
660-98981-24	Duplicate-1	Water	11/20/19 12:00	11/21/19 08:50	
660-98981-25	TRIP BLANK 1	Water	11/20/19 15:45	11/21/19 08:50	
660-98981-26	TRIP BLANK 2	Water	11/20/19 15:50	11/21/19 08:50	

Job ID: 660-98981-1

Laboratory: Eurofins TestAmerica, Tampa

Narrative

Job Narrative
660-98981-1

Comments
No additional comments.

Receipt
The samples were received on 11/21/2019 8:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.9º C and 3.0º C.

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

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

GC Semi VOA
Method RSK-175: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 400-467877.

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

Subcontract non-Sister
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Qualifiers

GC/MS VOA

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

GC VOA

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

General Chemistry

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

Glossary

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

Detection Summary

Client: Honeywell International Inc
Project/Site: Solitron 11/18-11/20

Job ID: 660-98981-1

Client Sample ID: MW-1B (115-125) — Lab Sample ID: 660-98981-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	46		1.0	0.50	ug/L	1		RSK-175	Total/NA
Total Organic Carbon	6.8		1.0	0.50	mg/L	1		5310 B-2011	Total/NA

Client Sample ID: MW-1C (142-152) — Lab Sample ID: 660-98981-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	5.6		1.0	0.27	ug/L	1		8260B	Total/NA
1,2-Dichlorobenzene	1.2		1.0	0.24	ug/L	1		8260B	Total/NA
Methane	220		1.0	0.50	ug/L	1		RSK-175	Total/NA
Ethane	17		1.0	0.75	ug/L	1		RSK-175	Total/NA
Total Organic Carbon	4.4		1.0	0.50	mg/L	1		5310 B-2011	Total/NA

Client Sample ID: MW-1D (200-210) — Lab Sample ID: 660-98981-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.45	I	1.0	0.25	ug/L	1		8260B	Total/NA
Chlorobenzene	84		1.0	0.27	ug/L	1		8260B	Total/NA
1,2-Dichlorobenzene	3.6		1.0	0.24	ug/L	1		8260B	Total/NA
1,4-Dichlorobenzene	2.3		1.0	0.22	ug/L	1		8260B	Total/NA
Vinyl chloride	0.74	I	1.0	0.26	ug/L	1		8260B	Total/NA
Methane	760		1.0	0.50	ug/L	1		RSK-175	Total/NA
Ethane	160		1.0	0.75	ug/L	1		RSK-175	Total/NA
Total Organic Carbon	4.1		1.0	0.50	mg/L	1		5310 B-2011	Total/NA

Client Sample ID: MW-1E (220-230) — Lab Sample ID: 660-98981-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	8.2		1.0	0.24	ug/L	1		8260B	Total/NA
1,3-Dichlorobenzene	0.32	I	1.0	0.26	ug/L	1		8260B	Total/NA
1,4-Dichlorobenzene	4.2		1.0	0.22	ug/L	1		8260B	Total/NA
Vinyl chloride	1.8		1.0	0.26	ug/L	1		8260B	Total/NA
Chlorobenzene - DL	120		5.0	1.3	ug/L	5		8260B	Total/NA
Methane	310		1.0	0.50	ug/L	1		RSK-175	Total/NA
Ethane	180		1.0	0.75	ug/L	1		RSK-175	Total/NA
Total Organic Carbon	4.0		1.0	0.50	mg/L	1		5310 B-2011	Total/NA

Client Sample ID: MW-1F (280-290) — Lab Sample ID: 660-98981-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	97		1.0	0.50	ug/L	1		RSK-175	Total/NA
Total Organic Carbon	3.7		1.0	0.50	mg/L	1		5310 B-2011	Total/NA

Client Sample ID: MW-3B (115-125) — Lab Sample ID: 660-98981-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	43		1.0	0.50	ug/L	1		RSK-175	Total/NA
Total Organic Carbon	5.4		1.0	0.50	mg/L	1		5310 B-2011	Total/NA

Client Sample ID: MW-3C (179-209) — Lab Sample ID: 660-98981-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	3.4		1.0	0.50	ug/L	1		RSK-175	Total/NA
Total Organic Carbon	6.4		1.0	0.50	mg/L	1		5310 B-2011	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Honeywell International Inc
Project/Site: Solitron 11/18-11/20

Job ID: 660-98981-1

Client Sample ID: MW-4B (117-127) — Lab Sample ID: 660-98981-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	30		1.0	0.27	ug/L	1		8260B	Total/NA
1,2-Dichlorobenzene	0.39	I	1.0	0.24	ug/L	1		8260B	Total/NA
1,4-Dichlorobenzene	1.5		1.0	0.22	ug/L	1		8260B	Total/NA
Methane	1100		1.0	0.50	ug/L	1		RSK-175	Total/NA
Ethane	110		1.0	0.75	ug/L	1		RSK-175	Total/NA
Total Organic Carbon	4.2		1.0	0.50	mg/L	1		5310 B-2011	Total/NA

Client Sample ID: MW-4C (142-52) — Lab Sample ID: 660-98981-9

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	0.70	I	1.0	0.27	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.59	I	1.0	0.32	ug/L	1		8260B	Total/NA
Methane	120		1.0	0.50	ug/L	1		RSK-175	Total/NA
Total Organic Carbon	6.4		1.0	0.50	mg/L	1		5310 B-2011	Total/NA

Client Sample ID: MW-12A (25-50) — Lab Sample ID: 660-98981-10

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	550		1.0	0.50	ug/L	1		RSK-175	Total/NA
Total Organic Carbon	3.7		1.0	0.50	mg/L	1		5310 B-2011	Total/NA

Client Sample ID: MW-12B (75-100) — Lab Sample ID: 660-98981-11

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	1100		1.0	0.50	ug/L	1		RSK-175	Total/NA
Total Organic Carbon	4.6		1.0	0.50	mg/L	1		5310 B-2011	Total/NA

Client Sample ID: MW-13A (18.5-28.5) — Lab Sample ID: 660-98981-12

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	0.57	I	1.0	0.24	ug/L	1		8260B	Total/NA
Methane	13		1.0	0.50	ug/L	1		RSK-175	Total/NA
Total Organic Carbon	19		1.0	0.50	mg/L	1		5310 B-2011	Total/NA

Client Sample ID: MW-13B (92-112) — Lab Sample ID: 660-98981-13

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	1.8		1.0	0.27	ug/L	1		8260B	Total/NA
1,4-Dichlorobenzene	0.43	I	1.0	0.22	ug/L	1		8260B	Total/NA
Vinyl chloride	0.73	I	1.0	0.26	ug/L	1		8260B	Total/NA
Methane	97		1.0	0.50	ug/L	1		RSK-175	Total/NA
Total Organic Carbon	2.8		1.0	0.50	mg/L	1		5310 B-2011	Total/NA

Client Sample ID: MW-13C (167-197) — Lab Sample ID: 660-98981-14

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.5		1.0	0.25	ug/L	1		8260B	Total/NA
Chlorobenzene	78		1.0	0.27	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.81	I	1.0	0.32	ug/L	1		8260B	Total/NA
1,2-Dichlorobenzene	2.4		1.0	0.24	ug/L	1		8260B	Total/NA
1,3-Dichlorobenzene	0.77	I	1.0	0.26	ug/L	1		8260B	Total/NA
1,4-Dichlorobenzene	5.7		1.0	0.22	ug/L	1		8260B	Total/NA
Ethylbenzene	0.51	I	1.0	0.27	ug/L	1		8260B	Total/NA
Vinyl chloride	1.0		1.0	0.26	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Honeywell International Inc
Project/Site: Solitron 11/18-11/20

Job ID: 660-98981-1

Client Sample ID: MW-13C (167-197) (Continued) — Lab Sample ID: 660-98981-14

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Xylenes, Total	1.0	I	4.0	0.50	ug/L	1		8260B	Total/NA
Methane	140		1.0	0.50	ug/L	1		RSK-175	Total/NA
Ethane	89		1.0	0.75	ug/L	1		RSK-175	Total/NA
Ethylene	5.3		1.0	0.55	ug/L	1		RSK-175	Total/NA
Total Organic Carbon	4.0		1.0	0.50	mg/L	1		5310 B-2011	Total/NA

Client Sample ID: MW-14A (18.5-28.5) — Lab Sample ID: 660-98981-15

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	14		1.0	0.50	ug/L	1		RSK-175	Total/NA
Total Organic Carbon	7.0		1.0	0.50	mg/L	1		5310 B-2011	Total/NA

Client Sample ID: MW-14B (88.5-108.5) — Lab Sample ID: 660-98981-16

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	3.2		1.0	0.50	ug/L	1		RSK-175	Total/NA
Total Organic Carbon	3.3		1.0	0.50	mg/L	1		5310 B-2011	Total/NA

Client Sample ID: MW-14C (167-197) — Lab Sample ID: 660-98981-17

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	3.3		1.0	0.50	ug/L	1		RSK-175	Total/NA
Total Organic Carbon	2.8		1.0	0.50	mg/L	1		5310 B-2011	Total/NA

Client Sample ID: MW-20A (70-80) — Lab Sample ID: 660-98981-18

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	1.5		1.0	0.27	ug/L	1		8260B	Total/NA
1,2-Dichlorobenzene	0.67	I	1.0	0.24	ug/L	1		8260B	Total/NA
Vinyl chloride	0.62	I	1.0	0.26	ug/L	1		8260B	Total/NA
Methane	230		1.0	0.50	ug/L	1		RSK-175	Total/NA
Ethane	3.7		1.0	0.75	ug/L	1		RSK-175	Total/NA
Total Organic Carbon	9.8		1.0	0.50	mg/L	1		5310 B-2011	Total/NA

Client Sample ID: MW-20B (125-135) — Lab Sample ID: 660-98981-19

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.47	I	1.0	0.25	ug/L	1		8260B	Total/NA
1,2-Dichlorobenzene	19		1.0	0.24	ug/L	1		8260B	Total/NA
1,3-Dichlorobenzene	0.69	I	1.0	0.26	ug/L	1		8260B	Total/NA
1,4-Dichlorobenzene	8.1		1.0	0.22	ug/L	1		8260B	Total/NA
Toluene	0.55	I	1.0	0.24	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	1.2	I	2.0	0.39	ug/L	1		8260B	Total/NA
Vinyl chloride	4.8		1.0	0.26	ug/L	1		8260B	Total/NA
Chlorobenzene - DL	97		5.0	1.3	ug/L	5		8260B	Total/NA
Methane	730		1.0	0.50	ug/L	1		RSK-175	Total/NA
Ethane	260		1.0	0.75	ug/L	1		RSK-175	Total/NA
Total Organic Carbon	7.8		1.0	0.50	mg/L	1		5310 B-2011	Total/NA

Client Sample ID: MW-20C (225-235) — Lab Sample ID: 660-98981-20

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	0.33	I	1.0	0.27	ug/L	1		8260B	Total/NA
1,2-Dichlorobenzene	1.2		1.0	0.24	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Honeywell International Inc
Project/Site: Solitron 11/18-11/20

Job ID: 660-98981-1

Client Sample ID: MW-20C (225-235) (Continued) — Lab Sample ID: 660-98981-20

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	160		1.0	0.50	ug/L	1		RSK-175	Total/NA
Ethylene	6.1		1.0	0.55	ug/L	1		RSK-175	Total/NA
Total Organic Carbon	4.2		1.0	0.50	mg/L	1		5310 B-2011	Total/NA

Client Sample ID: Field Blank — Lab Sample ID: 660-98981-21

No Detections.

Client Sample ID: Field Blank — Lab Sample ID: 660-98981-22

No Detections.

Client Sample ID: Field Blank — Lab Sample ID: 660-98981-23

No Detections.

Client Sample ID: Duplicate-1 — Lab Sample ID: 660-98981-24

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.45	I	1.0	0.25	ug/L	1		8260B	Total/NA
Chlorobenzene	95		1.0	0.27	ug/L	1		8260B	Total/NA
1,2-Dichlorobenzene	17		1.0	0.24	ug/L	1		8260B	Total/NA
1,3-Dichlorobenzene	0.87	I	1.0	0.26	ug/L	1		8260B	Total/NA
1,4-Dichlorobenzene	8.2		1.0	0.22	ug/L	1		8260B	Total/NA
Toluene	0.43	I	1.0	0.24	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	1.1	I	2.0	0.39	ug/L	1		8260B	Total/NA
Vinyl chloride	4.7		1.0	0.26	ug/L	1		8260B	Total/NA
Methane	770		1.0	0.50	ug/L	1		RSK-175	Total/NA
Ethane	290		1.0	0.75	ug/L	1		RSK-175	Total/NA
Total Organic Carbon	7.5		1.0	0.50	mg/L	1		5310 B-2011	Total/NA

Client Sample ID: TRIP BLANK 1 — Lab Sample ID: 660-98981-25

No Detections.

Client Sample ID: TRIP BLANK 2 — Lab Sample ID: 660-98981-26

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Honeywell International Inc
Project/Site: Solitron 11/18-11/20

Job ID: 660-98981-1

Client Sample ID: MW-1B (115-125)

Lab Sample ID: 660-98981-1
Date Collected: 11/19/19 14:54
Matrix: Water
Date Received: 11/21/19 08:50

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			11/30/19 11:24	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			11/30/19 11:24	1
Chloroform	0.29	U	1.0	0.29	ug/L			11/30/19 11:24	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			11/30/19 11:24	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			11/30/19 11:24	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			11/30/19 11:24	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			11/30/19 11:24	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			11/30/19 11:24	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			11/30/19 11:24	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			11/30/19 11:24	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			11/30/19 11:24	1
Toluene	0.24	U	1.0	0.24	ug/L			11/30/19 11:24	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			11/30/19 11:24	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			11/30/19 11:24	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			11/30/19 11:24	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			11/30/19 11:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*109*		*70 - 130*		*11/30/19 11:24*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*11/30/19 11:24*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*11/30/19 11:24*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**46**		1.0	0.50	ug/L			11/29/19 11:39	1
Ethane	0.75	U	1.0	0.75	ug/L			11/29/19 11:39	1
Ethylene	0.55	U	1.0	0.55	ug/L			11/29/19 11:39	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**6.8**		1.0	0.50	mg/L			11/26/19 22:07	1

Client Sample ID: MW-1C (142-152)

Lab Sample ID: 660-98981-2
Date Collected: 11/19/19 15:29
Matrix: Water
Date Received: 11/21/19 08:50

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			11/30/19 12:10	1
Chlorobenzene	**5.6**		1.0	0.27	ug/L			11/30/19 12:10	1
Chloroform	0.29	U	1.0	0.29	ug/L			11/30/19 12:10	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			11/30/19 12:10	1
1,2-Dichlorobenzene	**1.2**		1.0	0.24	ug/L			11/30/19 12:10	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			11/30/19 12:10	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			11/30/19 12:10	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			11/30/19 12:10	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			11/30/19 12:10	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			11/30/19 12:10	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			11/30/19 12:10	1
Toluene	0.24	U	1.0	0.24	ug/L			11/30/19 12:10	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			11/30/19 12:10	1

Client Sample ID: MW-1C (142-152)

Lab Sample ID: 660-98981-2
Date Collected: 11/19/19 15:29
Matrix: Water
Date Received: 11/21/19 08:50

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.61	U	2.0	0.61	ug/L			11/30/19 12:10	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			11/30/19 12:10	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			11/30/19 12:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*70 - 130*		*11/30/19 12:10*	*1*
Dibromofluoromethane	*96*		*70 - 130*		*11/30/19 12:10*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*11/30/19 12:10*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**220**		1.0	0.50	ug/L			11/29/19 12:02	1
Ethane	**17**		1.0	0.75	ug/L			11/29/19 12:02	1
Ethylene	0.55	U	1.0	0.55	ug/L			11/29/19 12:02	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**4.4**		1.0	0.50	mg/L			11/26/19 22:58	1

Client Sample ID: MW-1D (200-210)

Lab Sample ID: 660-98981-3
Date Collected: 11/20/19 09:27
Matrix: Water
Date Received: 11/21/19 08:50

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.45**	**I**	1.0	0.25	ug/L			11/30/19 18:42	1
Chlorobenzene	**84**		1.0	0.27	ug/L			11/30/19 18:42	1
Chloroform	0.29	U	1.0	0.29	ug/L			11/30/19 18:42	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			11/30/19 18:42	1
1,2-Dichlorobenzene	**3.6**		1.0	0.24	ug/L			11/30/19 18:42	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			11/30/19 18:42	1
1,4-Dichlorobenzene	**2.3**		1.0	0.22	ug/L			11/30/19 18:42	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			11/30/19 18:42	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			11/30/19 18:42	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			11/30/19 18:42	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			11/30/19 18:42	1
Toluene	0.24	U	1.0	0.24	ug/L			11/30/19 18:42	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			11/30/19 18:42	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			11/30/19 18:42	1
Vinyl chloride	**0.74**	**I**	1.0	0.26	ug/L			11/30/19 18:42	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			11/30/19 18:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*70 - 130*		*11/30/19 18:42*	*1*
Dibromofluoromethane	*96*		*70 - 130*		*11/30/19 18:42*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*11/30/19 18:42*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**760**		1.0	0.50	ug/L			11/29/19 16:59	1
Ethane	**160**		1.0	0.75	ug/L			11/29/19 16:59	1

Client Sample ID: MW-1D (200-210)

Lab Sample ID: 660-98981-3
Date Collected: 11/20/19 09:27
Matrix: Water
Date Received: 11/21/19 08:50

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene	0.55	U	1.0	0.55	ug/L			11/29/19 16:59	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**4.1**		1.0	0.50	mg/L			11/26/19 23:14	1

Client Sample ID: MW-1E (220-230)

Lab Sample ID: 660-98981-4
Date Collected: 11/20/19 10:51
Matrix: Water
Date Received: 11/21/19 08:50

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			11/30/19 19:52	1
Chloroform	0.29	U	1.0	0.29	ug/L			11/30/19 19:52	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			11/30/19 19:52	1
1,2-Dichlorobenzene	**8.2**		1.0	0.24	ug/L			11/30/19 19:52	1
1,3-Dichlorobenzene	**0.32**	**I**	1.0	0.26	ug/L			11/30/19 19:52	1
1,4-Dichlorobenzene	**4.2**		1.0	0.22	ug/L			11/30/19 19:52	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			11/30/19 19:52	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			11/30/19 19:52	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			11/30/19 19:52	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			11/30/19 19:52	1
Toluene	0.24	U	1.0	0.24	ug/L			11/30/19 19:52	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			11/30/19 19:52	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			11/30/19 19:52	1
Vinyl chloride	**1.8**		1.0	0.26	ug/L			11/30/19 19:52	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			11/30/19 19:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*70 - 130*		*11/30/19 19:52*	*1*
Dibromofluoromethane	*99*		*70 - 130*		*11/30/19 19:52*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*11/30/19 19:52*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	**120**		5.0	1.3	ug/L			11/30/19 19:29	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*70 - 130*		*11/30/19 19:29*	*5*
Dibromofluoromethane	*102*		*70 - 130*		*11/30/19 19:29*	*5*
Toluene-d8 (Surr)	*102*		*70 - 130*		*11/30/19 19:29*	*5*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**310**		1.0	0.50	ug/L			11/29/19 12:40	1
Ethane	**180**		1.0	0.75	ug/L			11/29/19 12:40	1
Ethylene	0.55	U	1.0	0.55	ug/L			11/29/19 12:40	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**4.0**		1.0	0.50	mg/L			11/26/19 23:33	1

Client Sample ID: MW-1F (280-290)

Lab Sample ID: 660-98981-5

Date Collected: 11/20/19 12:54
Matrix: Water
Date Received: 11/21/19 08:50

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			11/30/19 13:19	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			11/30/19 13:19	1
Chloroform	0.29	U	1.0	0.29	ug/L			11/30/19 13:19	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			11/30/19 13:19	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			11/30/19 13:19	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			11/30/19 13:19	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			11/30/19 13:19	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			11/30/19 13:19	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			11/30/19 13:19	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			11/30/19 13:19	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			11/30/19 13:19	1
Toluene	0.24	U	1.0	0.24	ug/L			11/30/19 13:19	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			11/30/19 13:19	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			11/30/19 13:19	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			11/30/19 13:19	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			11/30/19 13:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*70 - 130*		*11/30/19 13:19*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*11/30/19 13:19*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*11/30/19 13:19*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**97**		1.0	0.50	ug/L			11/29/19 12:49	1
Ethane	0.75	U	1.0	0.75	ug/L			11/29/19 12:49	1
Ethylene	0.55	U	1.0	0.55	ug/L			11/29/19 12:49	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**3.7**		1.0	0.50	mg/L			11/26/19 23:52	1

Client Sample ID: MW-3B (115-125)

Lab Sample ID: 660-98981-6

Date Collected: 11/19/19 12:36
Matrix: Water
Date Received: 11/21/19 08:50

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			11/30/19 13:43	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			11/30/19 13:43	1
Chloroform	0.29	U	1.0	0.29	ug/L			11/30/19 13:43	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			11/30/19 13:43	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			11/30/19 13:43	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			11/30/19 13:43	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			11/30/19 13:43	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			11/30/19 13:43	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			11/30/19 13:43	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			11/30/19 13:43	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			11/30/19 13:43	1
Toluene	0.24	U	1.0	0.24	ug/L			11/30/19 13:43	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			11/30/19 13:43	1

Client Sample ID: MW-3B (115-125)

Lab Sample ID: 660-98981-6
Date Collected: 11/19/19 12:36
Matrix: Water
Date Received: 11/21/19 08:50

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.61	U	2.0	0.61	ug/L			11/30/19 13:43	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			11/30/19 13:43	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			11/30/19 13:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*70 - 130*		*11/30/19 13:43*	*1*
Dibromofluoromethane	*99*		*70 - 130*		*11/30/19 13:43*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*11/30/19 13:43*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**43**		1.0	0.50	ug/L			11/29/19 12:59	1
Ethane	0.75	U	1.0	0.75	ug/L			11/29/19 12:59	1
Ethylene	0.55	U	1.0	0.55	ug/L			11/29/19 12:59	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**5.4**		1.0	0.50	mg/L			11/27/19 00:09	1

Client Sample ID: MW-3C (179-209)

Lab Sample ID: 660-98981-7
Date Collected: 11/19/19 12:00
Matrix: Water
Date Received: 11/21/19 08:50

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			11/30/19 14:06	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			11/30/19 14:06	1
Chloroform	0.29	U	1.0	0.29	ug/L			11/30/19 14:06	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			11/30/19 14:06	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			11/30/19 14:06	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			11/30/19 14:06	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			11/30/19 14:06	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			11/30/19 14:06	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			11/30/19 14:06	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			11/30/19 14:06	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			11/30/19 14:06	1
Toluene	0.24	U	1.0	0.24	ug/L			11/30/19 14:06	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			11/30/19 14:06	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			11/30/19 14:06	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			11/30/19 14:06	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			11/30/19 14:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*		*70 - 130*		*11/30/19 14:06*	*1*
Dibromofluoromethane	*99*		*70 - 130*		*11/30/19 14:06*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*11/30/19 14:06*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**3.4**		1.0	0.50	ug/L			11/29/19 13:28	1
Ethane	0.75	U	1.0	0.75	ug/L			11/29/19 13:28	1

Client Sample ID: MW-3C (179-209)

Lab Sample ID: 660-98981-7
Date Collected: 11/19/19 12:00
Matrix: Water
Date Received: 11/21/19 08:50

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene	0.55	U	1.0	0.55	ug/L			11/29/19 13:28	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**6.4**		1.0	0.50	mg/L			11/27/19 00:28	1

Client Sample ID: MW-4B (117-127)

Lab Sample ID: 660-98981-8
Date Collected: 11/19/19 13:30
Matrix: Water
Date Received: 11/21/19 08:50

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			11/30/19 17:56	1
Chlorobenzene	**30**		1.0	0.27	ug/L			11/30/19 17:56	1
Chloroform	0.29	U	1.0	0.29	ug/L			11/30/19 17:56	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			11/30/19 17:56	1
1,2-Dichlorobenzene	**0.39**	**I**	1.0	0.24	ug/L			11/30/19 17:56	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			11/30/19 17:56	1
1,4-Dichlorobenzene	**1.5**		1.0	0.22	ug/L			11/30/19 17:56	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			11/30/19 17:56	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			11/30/19 17:56	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			11/30/19 17:56	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			11/30/19 17:56	1
Toluene	0.24	U	1.0	0.24	ug/L			11/30/19 17:56	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			11/30/19 17:56	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			11/30/19 17:56	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			11/30/19 17:56	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			11/30/19 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*70 - 130*		*11/30/19 17:56*	*1*
Dibromofluoromethane	*98*		*70 - 130*		*11/30/19 17:56*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*11/30/19 17:56*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**1100**		1.0	0.50	ug/L			11/29/19 13:38	1
Ethane	**110**		1.0	0.75	ug/L			11/29/19 13:38	1
Ethylene	0.55	U	1.0	0.55	ug/L			11/29/19 13:38	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**4.2**		1.0	0.50	mg/L			11/27/19 00:45	1

Client Sample ID: MW-4C (142-52)

Lab Sample ID: 660-98981-9
Date Collected: 11/19/19 14:07
Matrix: Water
Date Received: 11/21/19 08:50

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			11/30/19 14:29	1

Client Sample ID: MW-4C (142-52)

Lab Sample ID: 660-98981-9
Matrix: Water

Date Collected: 11/19/19 14:07
Date Received: 11/21/19 08:50

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	**0.70**	**I**	1.0	0.27	ug/L			11/30/19 14:29	1
Chloroform	0.29	U	1.0	0.29	ug/L			11/30/19 14:29	1
cis-1,2-Dichloroethene	**0.59**	**I**	1.0	0.32	ug/L			11/30/19 14:29	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			11/30/19 14:29	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			11/30/19 14:29	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			11/30/19 14:29	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			11/30/19 14:29	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			11/30/19 14:29	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			11/30/19 14:29	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			11/30/19 14:29	1
Toluene	0.24	U	1.0	0.24	ug/L			11/30/19 14:29	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			11/30/19 14:29	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			11/30/19 14:29	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			11/30/19 14:29	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			11/30/19 14:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*70 - 130*		*11/30/19 14:29*	*1*
Dibromofluoromethane	*99*		*70 - 130*		*11/30/19 14:29*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*11/30/19 14:29*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**120**		1.0	0.50	ug/L			11/29/19 13:48	1
Ethane	0.75	U	1.0	0.75	ug/L			11/29/19 13:48	1
Ethylene	0.55	U	1.0	0.55	ug/L			11/29/19 13:48	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**6.4**		1.0	0.50	mg/L			11/27/19 02:27	1

Client Sample ID: MW-12A (25-50)

Lab Sample ID: 660-98981-10
Matrix: Water

Date Collected: 11/19/19 09:04
Date Received: 11/21/19 08:50

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			11/30/19 14:52	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			11/30/19 14:52	1
Chloroform	0.29	U	1.0	0.29	ug/L			11/30/19 14:52	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			11/30/19 14:52	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			11/30/19 14:52	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			11/30/19 14:52	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			11/30/19 14:52	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			11/30/19 14:52	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			11/30/19 14:52	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			11/30/19 14:52	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			11/30/19 14:52	1
Toluene	0.24	U	1.0	0.24	ug/L			11/30/19 14:52	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			11/30/19 14:52	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			11/30/19 14:52	1

Client Sample ID: MW-12A (25-50)

Lab Sample ID: 660-98981-10
Date Collected: 11/19/19 09:04
Matrix: Water
Date Received: 11/21/19 08:50

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.26	U	1.0	0.26	ug/L			11/30/19 14:52	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			11/30/19 14:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*70 - 130*		*11/30/19 14:52*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*11/30/19 14:52*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*11/30/19 14:52*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**550**		1.0	0.50	ug/L			11/29/19 13:58	1
Ethane	0.75	U	1.0	0.75	ug/L			11/29/19 13:58	1
Ethylene	0.55	U	1.0	0.55	ug/L			11/29/19 13:58	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**3.7**		1.0	0.50	mg/L			11/27/19 03:18	1

Client Sample ID: MW-12B (75-100)

Lab Sample ID: 660-98981-11
Date Collected: 11/19/19 10:04
Matrix: Water
Date Received: 11/21/19 08:50

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			11/30/19 15:15	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			11/30/19 15:15	1
Chloroform	0.29	U	1.0	0.29	ug/L			11/30/19 15:15	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			11/30/19 15:15	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			11/30/19 15:15	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			11/30/19 15:15	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			11/30/19 15:15	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			11/30/19 15:15	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			11/30/19 15:15	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			11/30/19 15:15	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			11/30/19 15:15	1
Toluene	0.24	U	1.0	0.24	ug/L			11/30/19 15:15	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			11/30/19 15:15	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			11/30/19 15:15	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			11/30/19 15:15	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			11/30/19 15:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*70 - 130*		*11/30/19 15:15*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*11/30/19 15:15*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*11/30/19 15:15*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**1100**		1.0	0.50	ug/L			11/29/19 14:08	1
Ethane	0.75	U	1.0	0.75	ug/L			11/29/19 14:08	1
Ethylene	0.55	U	1.0	0.55	ug/L			11/29/19 14:08	1

Client Sample ID: MW-12B (75-100)
Lab Sample ID: 660-98981-11

Date Collected: 11/19/19 10:04
Date Received: 11/21/19 08:50
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**4.6**		1.0	0.50	mg/L			11/27/19 03:34	1

Client Sample ID: MW-13A (18.5-28.5)
Lab Sample ID: 660-98981-12

Date Collected: 11/18/19 14:39
Date Received: 11/21/19 08:50
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			11/30/19 15:38	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			11/30/19 15:38	1
Chloroform	0.29	U	1.0	0.29	ug/L			11/30/19 15:38	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			11/30/19 15:38	1
1,2-Dichlorobenzene	**0.57**	**I**	1.0	0.24	ug/L			11/30/19 15:38	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			11/30/19 15:38	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			11/30/19 15:38	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			11/30/19 15:38	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			11/30/19 15:38	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			11/30/19 15:38	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			11/30/19 15:38	1
Toluene	0.24	U	1.0	0.24	ug/L			11/30/19 15:38	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			11/30/19 15:38	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			11/30/19 15:38	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			11/30/19 15:38	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			11/30/19 15:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*70 - 130*		*11/30/19 15:38*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*11/30/19 15:38*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*11/30/19 15:38*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**13**		1.0	0.50	ug/L			11/29/19 14:18	1
Ethane	0.75	U	1.0	0.75	ug/L			11/29/19 14:18	1
Ethylene	0.55	U	1.0	0.55	ug/L			11/29/19 14:18	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**19**		1.0	0.50	mg/L			11/27/19 03:51	1

Client Sample ID: MW-13B (92-112)
Lab Sample ID: 660-98981-13

Date Collected: 11/18/19 15:44
Date Received: 11/21/19 08:50
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			11/30/19 16:01	1
Chlorobenzene	**1.8**		1.0	0.27	ug/L			11/30/19 16:01	1
Chloroform	0.29	U	1.0	0.29	ug/L			11/30/19 16:01	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			11/30/19 16:01	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			11/30/19 16:01	1

Client Sample ID: MW-13B (92-112)

Lab Sample ID: 660-98981-13

Date Collected: 11/18/19 15:44

Matrix: Water

Date Received: 11/21/19 08:50

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			11/30/19 16:01	1
1,4-Dichlorobenzene	**0.43**	**I**	1.0	0.22	ug/L			11/30/19 16:01	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			11/30/19 16:01	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			11/30/19 16:01	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			11/30/19 16:01	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			11/30/19 16:01	1
Toluene	0.24	U	1.0	0.24	ug/L			11/30/19 16:01	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			11/30/19 16:01	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			11/30/19 16:01	1
Vinyl chloride	**0.73**	**I**	1.0	0.26	ug/L			11/30/19 16:01	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			11/30/19 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*70 - 130*		*11/30/19 16:01*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*11/30/19 16:01*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*11/30/19 16:01*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**97**		1.0	0.50	ug/L			11/29/19 14:28	1
Ethane	0.75	U	1.0	0.75	ug/L			11/29/19 14:28	1
Ethylene	0.55	U	1.0	0.55	ug/L			11/29/19 14:28	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**2.8**		1.0	0.50	mg/L			11/27/19 04:10	1

Client Sample ID: MW-13C (167-197)

Lab Sample ID: 660-98981-14

Date Collected: 11/18/19 17:24

Matrix: Water

Date Received: 11/21/19 08:50

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.5**		1.0	0.25	ug/L			11/30/19 18:19	1
Chlorobenzene	**78**		1.0	0.27	ug/L			11/30/19 18:19	1
Chloroform	0.29	U	1.0	0.29	ug/L			11/30/19 18:19	1
cis-1,2-Dichloroethene	**0.81**	**I**	1.0	0.32	ug/L			11/30/19 18:19	1
1,2-Dichlorobenzene	**2.4**		1.0	0.24	ug/L			11/30/19 18:19	1
1,3-Dichlorobenzene	**0.77**	**I**	1.0	0.26	ug/L			11/30/19 18:19	1
1,4-Dichlorobenzene	**5.7**		1.0	0.22	ug/L			11/30/19 18:19	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			11/30/19 18:19	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			11/30/19 18:19	1
Ethylbenzene	**0.51**	**I**	1.0	0.27	ug/L			11/30/19 18:19	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			11/30/19 18:19	1
Toluene	0.24	U	1.0	0.24	ug/L			11/30/19 18:19	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			11/30/19 18:19	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			11/30/19 18:19	1
Vinyl chloride	**1.0**		1.0	0.26	ug/L			11/30/19 18:19	1
Xylenes, Total	**1.0**	**I**	4.0	0.50	ug/L			11/30/19 18:19	1

Client Sample ID: MW-13C (167-197)

Lab Sample ID: 660-98981-14

Date Collected: 11/18/19 17:24
Date Received: 11/21/19 08:50

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*70 - 130*		*11/30/19 18:19*	*1*
Dibromofluoromethane	*99*		*70 - 130*		*11/30/19 18:19*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*11/30/19 18:19*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**140**		1.0	0.50	ug/L			11/29/19 14:37	1
Ethane	**89**		1.0	0.75	ug/L			11/29/19 14:37	1
Ethylene	**5.3**		1.0	0.55	ug/L			11/29/19 14:37	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**4.0**		1.0	0.50	mg/L			11/27/19 04:27	1

Client Sample ID: MW-14A (18.5-28.5)

Lab Sample ID: 660-98981-15

Date Collected: 11/18/19 10:28
Date Received: 11/21/19 08:50

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			11/30/19 16:24	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			11/30/19 16:24	1
Chloroform	0.29	U	1.0	0.29	ug/L			11/30/19 16:24	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			11/30/19 16:24	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			11/30/19 16:24	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			11/30/19 16:24	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			11/30/19 16:24	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			11/30/19 16:24	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			11/30/19 16:24	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			11/30/19 16:24	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			11/30/19 16:24	1
Toluene	0.24	U	1.0	0.24	ug/L			11/30/19 16:24	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			11/30/19 16:24	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			11/30/19 16:24	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			11/30/19 16:24	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			11/30/19 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*70 - 130*		*11/30/19 16:24*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*11/30/19 16:24*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*11/30/19 16:24*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**14**		1.0	0.50	ug/L			11/29/19 14:47	1
Ethane	0.75	U	1.0	0.75	ug/L			11/29/19 14:47	1
Ethylene	0.55	U	1.0	0.55	ug/L			11/29/19 14:47	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**7.0**		1.0	0.50	mg/L			11/27/19 04:44	1

Client Sample ID: MW-14B (88.5-108.5)

Lab Sample ID: 660-98981-16

Date Collected: 11/18/19 12:28
Date Received: 11/21/19 08:50

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			11/30/19 16:47	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			11/30/19 16:47	1
Chloroform	0.29	U	1.0	0.29	ug/L			11/30/19 16:47	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			11/30/19 16:47	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			11/30/19 16:47	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			11/30/19 16:47	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			11/30/19 16:47	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			11/30/19 16:47	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			11/30/19 16:47	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			11/30/19 16:47	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			11/30/19 16:47	1
Toluene	0.24	U	1.0	0.24	ug/L			11/30/19 16:47	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			11/30/19 16:47	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			11/30/19 16:47	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			11/30/19 16:47	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			11/30/19 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*70 - 130*		*11/30/19 16:47*	*1*
Dibromofluoromethane	*98*		*70 - 130*		*11/30/19 16:47*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*11/30/19 16:47*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**3.2**		1.0	0.50	ug/L			11/29/19 14:57	1
Ethane	0.75	U	1.0	0.75	ug/L			11/29/19 14:57	1
Ethylene	0.55	U	1.0	0.55	ug/L			11/29/19 14:57	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**3.3**		1.0	0.50	mg/L			11/27/19 05:03	1

Client Sample ID: MW-14C (167-197)

Lab Sample ID: 660-98981-17

Date Collected: 11/18/19 14:10
Date Received: 11/21/19 08:50

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			11/30/19 17:10	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			11/30/19 17:10	1
Chloroform	0.29	U	1.0	0.29	ug/L			11/30/19 17:10	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			11/30/19 17:10	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			11/30/19 17:10	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			11/30/19 17:10	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			11/30/19 17:10	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			11/30/19 17:10	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			11/30/19 17:10	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			11/30/19 17:10	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			11/30/19 17:10	1
Toluene	0.24	U	1.0	0.24	ug/L			11/30/19 17:10	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			11/30/19 17:10	1

Client Sample ID: MW-14C (167-197)

Lab Sample ID: 660-98981-17

Date Collected: 11/18/19 14:10
Matrix: Water
Date Received: 11/21/19 08:50

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.61	U	2.0	0.61	ug/L			11/30/19 17:10	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			11/30/19 17:10	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			11/30/19 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*70 - 130*		*11/30/19 17:10*	*1*
Dibromofluoromethane	*105*		*70 - 130*		*11/30/19 17:10*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*11/30/19 17:10*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**3.3**		1.0	0.50	ug/L			11/29/19 15:18	1
Ethane	0.75	U	1.0	0.75	ug/L			11/29/19 15:18	1
Ethylene	0.55	U	1.0	0.55	ug/L			11/29/19 15:18	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**2.8**		1.0	0.50	mg/L			11/27/19 06:43	1

Client Sample ID: MW-20A (70-80)

Lab Sample ID: 660-98981-18

Date Collected: 11/20/19 13:41
Matrix: Water
Date Received: 11/21/19 08:50

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			11/30/19 17:33	1
Chlorobenzene	**1.5**		1.0	0.27	ug/L			11/30/19 17:33	1
Chloroform	0.29	U	1.0	0.29	ug/L			11/30/19 17:33	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			11/30/19 17:33	1
1,2-Dichlorobenzene	**0.67**	**I**	1.0	0.24	ug/L			11/30/19 17:33	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			11/30/19 17:33	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			11/30/19 17:33	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			11/30/19 17:33	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			11/30/19 17:33	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			11/30/19 17:33	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			11/30/19 17:33	1
Toluene	0.24	U	1.0	0.24	ug/L			11/30/19 17:33	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			11/30/19 17:33	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			11/30/19 17:33	1
Vinyl chloride	**0.62**	**I**	1.0	0.26	ug/L			11/30/19 17:33	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			11/30/19 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*70 - 130*		*11/30/19 17:33*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*11/30/19 17:33*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*11/30/19 17:33*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**230**		1.0	0.50	ug/L			11/29/19 15:27	1
Ethane	**3.7**		1.0	0.75	ug/L			11/29/19 15:27	1

Client Sample ID: MW-20A (70-80)

Lab Sample ID: 660-98981-18
Date Collected: 11/20/19 13:41
Matrix: Water
Date Received: 11/21/19 08:50

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene	0.55	U	1.0	0.55	ug/L			11/29/19 15:27	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**9.8**		1.0	0.50	mg/L			11/27/19 07:33	1

Client Sample ID: MW-20B (125-135)

Lab Sample ID: 660-98981-19
Date Collected: 11/20/19 14:13
Matrix: Water
Date Received: 11/21/19 08:50

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.47**	**I**	1.0	0.25	ug/L			11/30/19 19:05	1
Chloroform	0.29	U	1.0	0.29	ug/L			11/30/19 19:05	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			11/30/19 19:05	1
1,2-Dichlorobenzene	**19**		1.0	0.24	ug/L			11/30/19 19:05	1
1,3-Dichlorobenzene	**0.69**	**I**	1.0	0.26	ug/L			11/30/19 19:05	1
1,4-Dichlorobenzene	**8.1**		1.0	0.22	ug/L			11/30/19 19:05	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			11/30/19 19:05	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			11/30/19 19:05	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			11/30/19 19:05	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			11/30/19 19:05	1
Toluene	**0.55**	**I**	1.0	0.24	ug/L			11/30/19 19:05	1
trans-1,2-Dichloroethene	**1.2**	**I**	2.0	0.39	ug/L			11/30/19 19:05	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			11/30/19 19:05	1
Vinyl chloride	**4.8**		1.0	0.26	ug/L			11/30/19 19:05	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			11/30/19 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*70 - 130*		*11/30/19 19:05*	*1*
Dibromofluoromethane	*99*		*70 - 130*		*11/30/19 19:05*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*11/30/19 19:05*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	**97**		5.0	1.3	ug/L			12/03/19 15:29	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*12/03/19 15:29*	*5*
Dibromofluoromethane	*101*		*70 - 130*		*12/03/19 15:29*	*5*
Toluene-d8 (Surr)	*104*		*70 - 130*		*12/03/19 15:29*	*5*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**730**		1.0	0.50	ug/L			11/29/19 15:37	1
Ethane	**260**		1.0	0.75	ug/L			11/29/19 15:37	1
Ethylene	0.55	U	1.0	0.55	ug/L			11/29/19 15:37	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**7.8**		1.0	0.50	mg/L			11/27/19 07:50	1

Client Sample Results

Client: Honeywell International Inc
Project/Site: Solitron 11/18-11/20

Job ID: 660-98981-1

Client Sample ID: MW-20C (225-235)

Lab Sample ID: 660-98981-20
Date Collected: 11/20/19 14:47
Matrix: Water
Date Received: 11/21/19 08:50

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			11/30/19 16:54	1
Chlorobenzene	**0.33**	**I**	1.0	0.27	ug/L			11/30/19 16:54	1
Chloroform	0.29	U	1.0	0.29	ug/L			11/30/19 16:54	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			11/30/19 16:54	1
1,2-Dichlorobenzene	**1.2**		1.0	0.24	ug/L			11/30/19 16:54	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			11/30/19 16:54	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			11/30/19 16:54	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			11/30/19 16:54	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			11/30/19 16:54	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			11/30/19 16:54	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			11/30/19 16:54	1
Toluene	0.24	U	1.0	0.24	ug/L			11/30/19 16:54	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			11/30/19 16:54	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			11/30/19 16:54	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			11/30/19 16:54	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			11/30/19 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*70 - 130*		*11/30/19 16:54*	*1*
Dibromofluoromethane	*99*		*70 - 130*		*11/30/19 16:54*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*11/30/19 16:54*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**160**		1.0	0.50	ug/L			11/29/19 15:47	1
Ethane	0.75	U	1.0	0.75	ug/L			11/29/19 15:47	1
Ethylene	**6.1**		1.0	0.55	ug/L			11/29/19 15:47	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**4.2**		1.0	0.50	mg/L			11/27/19 08:09	1

Client Sample ID: Field Blank

Lab Sample ID: 660-98981-21
Date Collected: 11/18/19 10:00
Matrix: Water
Date Received: 11/21/19 08:50

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			11/30/19 15:31	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			11/30/19 15:31	1
Chloroform	0.29	U	1.0	0.29	ug/L			11/30/19 15:31	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			11/30/19 15:31	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			11/30/19 15:31	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			11/30/19 15:31	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			11/30/19 15:31	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			11/30/19 15:31	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			11/30/19 15:31	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			11/30/19 15:31	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			11/30/19 15:31	1
Toluene	0.24	U	1.0	0.24	ug/L			11/30/19 15:31	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			11/30/19 15:31	1

Client Sample ID: Field Blank — Lab Sample ID: 660-98981-21

Date Collected: 11/18/19 10:00
Date Received: 11/21/19 08:50
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.61	U	2.0	0.61	ug/L			11/30/19 15:31	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			11/30/19 15:31	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			11/30/19 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*70 - 130*		*11/30/19 15:31*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*11/30/19 15:31*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*11/30/19 15:31*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	0.50	U	1.0	0.50	ug/L			11/29/19 12:29	1
Ethane	0.75	U	1.0	0.75	ug/L			11/29/19 12:29	1
Ethylene	0.55	U	1.0	0.55	ug/L			11/29/19 12:29	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.50	U	1.0	0.50	mg/L			11/27/19 08:28	1

Client Sample ID: Field Blank — Lab Sample ID: 660-98981-22

Date Collected: 11/19/19 07:45
Date Received: 11/21/19 08:50
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			11/30/19 15:52	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			11/30/19 15:52	1
Chloroform	0.29	U	1.0	0.29	ug/L			11/30/19 15:52	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			11/30/19 15:52	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			11/30/19 15:52	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			11/30/19 15:52	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			11/30/19 15:52	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			11/30/19 15:52	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			11/30/19 15:52	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			11/30/19 15:52	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			11/30/19 15:52	1
Toluene	0.24	U	1.0	0.24	ug/L			11/30/19 15:52	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			11/30/19 15:52	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			11/30/19 15:52	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			11/30/19 15:52	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			11/30/19 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*70 - 130*		*11/30/19 15:52*	*1*
Dibromofluoromethane	*97*		*70 - 130*		*11/30/19 15:52*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*11/30/19 15:52*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	0.50	U	1.0	0.50	ug/L			11/29/19 17:23	1
Ethane	0.75	U	1.0	0.75	ug/L			11/29/19 17:23	1

Client Sample ID: Field Blank — Lab Sample ID: 660-98981-22

Date Collected: 11/19/19 07:45
Date Received: 11/21/19 08:50
Matrix: Water

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene	0.55	U	1.0	0.55	ug/L			11/29/19 17:23	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.50	U	1.0	0.50	mg/L			11/27/19 08:45	1

Client Sample ID: Field Blank — Lab Sample ID: 660-98981-23

Date Collected: 11/20/19 07:30
Date Received: 11/21/19 08:50
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			11/30/19 16:13	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			11/30/19 16:13	1
Chloroform	0.29	U	1.0	0.29	ug/L			11/30/19 16:13	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			11/30/19 16:13	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			11/30/19 16:13	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			11/30/19 16:13	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			11/30/19 16:13	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			11/30/19 16:13	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			11/30/19 16:13	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			11/30/19 16:13	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			11/30/19 16:13	1
Toluene	0.24	U	1.0	0.24	ug/L			11/30/19 16:13	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			11/30/19 16:13	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			11/30/19 16:13	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			11/30/19 16:13	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			11/30/19 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*70 - 130*		*11/30/19 16:13*	*1*
Dibromofluoromethane	*98*		*70 - 130*		*11/30/19 16:13*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*11/30/19 16:13*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	0.50	U	1.0	0.50	ug/L			11/29/19 17:33	1
Ethane	0.75	U	1.0	0.75	ug/L			11/29/19 17:33	1
Ethylene	0.55	U	1.0	0.55	ug/L			11/29/19 17:33	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.50	U	1.0	0.50	mg/L			11/27/19 09:00	1

Client Sample ID: Duplicate-1 — Lab Sample ID: 660-98981-24

Date Collected: 11/20/19 12:00
Date Received: 11/21/19 08:50
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.45**	**I**	1.0	0.25	ug/L			11/30/19 19:00	1

Client Sample ID: Duplicate-1

Lab Sample ID: 660-98981-24

Date Collected: 11/20/19 12:00
Matrix: Water
Date Received: 11/21/19 08:50

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	**95**		1.0	0.27	ug/L			11/30/19 19:00	1
Chloroform	0.29	U	1.0	0.29	ug/L			11/30/19 19:00	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			11/30/19 19:00	1
1,2-Dichlorobenzene	**17**		1.0	0.24	ug/L			11/30/19 19:00	1
1,3-Dichlorobenzene	**0.87**	**I**	1.0	0.26	ug/L			11/30/19 19:00	1
1,4-Dichlorobenzene	**8.2**		1.0	0.22	ug/L			11/30/19 19:00	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			11/30/19 19:00	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			11/30/19 19:00	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			11/30/19 19:00	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			11/30/19 19:00	1
Toluene	**0.43**	**I**	1.0	0.24	ug/L			11/30/19 19:00	1
trans-1,2-Dichloroethene	**1.1**	**I**	2.0	0.39	ug/L			11/30/19 19:00	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			11/30/19 19:00	1
Vinyl chloride	**4.7**		1.0	0.26	ug/L			11/30/19 19:00	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			11/30/19 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*70 - 130*		*11/30/19 19:00*	*1*
Dibromofluoromethane	*99*		*70 - 130*		*11/30/19 19:00*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*11/30/19 19:00*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**770**		1.0	0.50	ug/L			11/29/19 17:43	1
Ethane	**290**		1.0	0.75	ug/L			11/29/19 17:43	1
Ethylene	0.55	U	1.0	0.55	ug/L			11/29/19 17:43	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**7.5**		1.0	0.50	mg/L			11/27/19 09:18	1

Client Sample ID: TRIP BLANK 1

Lab Sample ID: 660-98981-25

Date Collected: 11/20/19 15:45
Matrix: Water
Date Received: 11/21/19 08:50

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			11/30/19 16:33	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			11/30/19 16:33	1
Chloroform	0.29	U	1.0	0.29	ug/L			11/30/19 16:33	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			11/30/19 16:33	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			11/30/19 16:33	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			11/30/19 16:33	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			11/30/19 16:33	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			11/30/19 16:33	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			11/30/19 16:33	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			11/30/19 16:33	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			11/30/19 16:33	1
Toluene	0.24	U	1.0	0.24	ug/L			11/30/19 16:33	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			11/30/19 16:33	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			11/30/19 16:33	1

Client Sample ID: TRIP BLANK 1

Lab Sample ID: 660-98981-25

Date Collected: 11/20/19 15:45
Matrix: Water
Date Received: 11/21/19 08:50

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.26	U	1.0	0.26	ug/L			11/30/19 16:33	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			11/30/19 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*70 - 130*		*11/30/19 16:33*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*11/30/19 16:33*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*11/30/19 16:33*	*1*

Client Sample ID: TRIP BLANK 2

Lab Sample ID: 660-98981-26

Date Collected: 11/20/19 15:50
Matrix: Water
Date Received: 11/21/19 08:50

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			11/30/19 15:10	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			11/30/19 15:10	1
Chloroform	0.29	U	1.0	0.29	ug/L			11/30/19 15:10	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			11/30/19 15:10	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			11/30/19 15:10	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			11/30/19 15:10	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			11/30/19 15:10	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			11/30/19 15:10	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			11/30/19 15:10	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			11/30/19 15:10	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			11/30/19 15:10	1
Toluene	0.24	U	1.0	0.24	ug/L			11/30/19 15:10	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			11/30/19 15:10	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			11/30/19 15:10	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			11/30/19 15:10	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			11/30/19 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*70 - 130*		*11/30/19 15:10*	*1*
Dibromofluoromethane	*99*		*70 - 130*		*11/30/19 15:10*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*11/30/19 15:10*	*1*

QC Sample Results

Client: Honeywell International Inc
Project/Site: Solitron 11/18-11/20

Job ID: 660-98981-1

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

Lab Sample ID: MB 660-218949/6
Matrix: Water
Analysis Batch: 218949

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			11/30/19 10:00	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			11/30/19 10:00	1
Chloroform	0.29	U	1.0	0.29	ug/L			11/30/19 10:00	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			11/30/19 10:00	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			11/30/19 10:00	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			11/30/19 10:00	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			11/30/19 10:00	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			11/30/19 10:00	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			11/30/19 10:00	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			11/30/19 10:00	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			11/30/19 10:00	1
Toluene	0.24	U	1.0	0.24	ug/L			11/30/19 10:00	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			11/30/19 10:00	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			11/30/19 10:00	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			11/30/19 10:00	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			11/30/19 10:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*70 - 130*		*11/30/19 10:00*	*1*
Dibromofluoromethane	*97*		*70 - 130*		*11/30/19 10:00*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*11/30/19 10:00*	*1*

Lab Sample ID: LCS 660-218949/4
Matrix: Water
Analysis Batch: 218949

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	10.0	10.2		ug/L		102	66 - 131
Chlorobenzene	10.0	9.87		ug/L		99	67 - 130
Chloroform	10.0	11.1		ug/L		111	77 - 119
cis-1,2-Dichloroethene	10.0	10.6		ug/L		106	69 - 133
1,2-Dichlorobenzene	10.0	9.39		ug/L		94	69 - 133
1,3-Dichlorobenzene	10.0	10.6		ug/L		106	68 - 130
1,4-Dichlorobenzene	10.0	10.2		ug/L		102	69 - 133
1,1-Dichloroethane	10.0	11.0		ug/L		110	68 - 130
1,1-Dichloroethene	10.0	9.74		ug/L		97	62 - 133
Ethylbenzene	10.0	9.92		ug/L		99	77 - 117
Tetrachloroethene	10.0	9.51		ug/L		95	59 - 130
Toluene	10.0	9.89		ug/L		99	71 - 119
trans-1,2-Dichloroethene	10.0	10.5		ug/L		105	67 - 130
Trichloroethene	10.0	9.82		ug/L		98	65 - 130
Vinyl chloride	10.0	10.4		ug/L		104	59 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*70 - 130*
Dibromofluoromethane	*98*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

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

Lab Sample ID: 400-179732-B-7 MS
Matrix: Water
Analysis Batch: 218949

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	3200		2000	5410		ug/L		110	66 - 131
Chlorobenzene	53	U	2000	2100		ug/L		105	67 - 130
Chloroform	57	U	2000	2310		ug/L		116	77 - 119
cis-1,2-Dichloroethene	65	U	2000	2270		ug/L		114	69 - 133
1,2-Dichlorobenzene	48	U	2000	1940		ug/L		97	69 - 133
1,3-Dichlorobenzene	52	U	2000	2140		ug/L		107	68 - 130
1,4-Dichlorobenzene	45	U	2000	2100		ug/L		105	69 - 133
1,1-Dichloroethane	63	U	2000	2430		ug/L		122	68 - 130
1,1-Dichloroethene	52	U	2000	2370		ug/L		119	62 - 133
Ethylbenzene	640		2000	2760		ug/L		106	77 - 117
Tetrachloroethene	100	U	2000	2250		ug/L		112	59 - 130
Toluene	7900	J3	2000	10500	J3	ug/L		128	71 - 119
trans-1,2-Dichloroethene	78	U	2000	2340		ug/L		117	67 - 130
Trichloroethene	120	U	2000	2200		ug/L		110	65 - 130
Vinyl chloride	51	U	2000	2320		ug/L		116	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*70 - 130*
Dibromofluoromethane	*97*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: 400-179732-B-7 MSD
Matrix: Water
Analysis Batch: 218949

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	3200		2000	5140		ug/L		97	66 - 131	5	30
Chlorobenzene	53	U	2000	2030		ug/L		101	67 - 130	3	30
Chloroform	57	U	2000	2240		ug/L		112	77 - 119	3	30
cis-1,2-Dichloroethene	65	U	2000	2200		ug/L		110	69 - 133	3	30
1,2-Dichlorobenzene	48	U	2000	1920		ug/L		96	69 - 133	1	30
1,3-Dichlorobenzene	52	U	2000	2090		ug/L		105	68 - 130	2	30
1,4-Dichlorobenzene	45	U	2000	2020		ug/L		101	69 - 133	4	30
1,1-Dichloroethane	63	U	2000	2250		ug/L		112	68 - 130	8	30
1,1-Dichloroethene	52	U	2000	2210		ug/L		111	62 - 133	7	30
Ethylbenzene	640		2000	2690		ug/L		103	77 - 117	2	30
Tetrachloroethene	100	U	2000	2130		ug/L		107	59 - 130	5	30
Toluene	7900	J3	2000	10000		ug/L		104	71 - 119	5	30
trans-1,2-Dichloroethene	78	U	2000	2200		ug/L		110	67 - 130	6	30
Trichloroethene	120	U	2000	2140		ug/L		107	65 - 130	3	30
Vinyl chloride	51	U	2000	2140		ug/L		107	59 - 130	8	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*105*		*70 - 130*
Dibromofluoromethane	*98*		*70 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*

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

Lab Sample ID: MB 660-218954/6
Matrix: Water
Analysis Batch: 218954

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			11/30/19 11:01	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			11/30/19 11:01	1
Chloroform	0.29	U	1.0	0.29	ug/L			11/30/19 11:01	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			11/30/19 11:01	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			11/30/19 11:01	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			11/30/19 11:01	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			11/30/19 11:01	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			11/30/19 11:01	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			11/30/19 11:01	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			11/30/19 11:01	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			11/30/19 11:01	1
Toluene	0.24	U	1.0	0.24	ug/L			11/30/19 11:01	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			11/30/19 11:01	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			11/30/19 11:01	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			11/30/19 11:01	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			11/30/19 11:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*70 - 130*		*11/30/19 11:01*	*1*
Dibromofluoromethane	*97*		*70 - 130*		*11/30/19 11:01*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*11/30/19 11:01*	*1*

Lab Sample ID: LCS 660-218954/4
Matrix: Water
Analysis Batch: 218954

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	10.0	9.98		ug/L		100	66 - 131
Chlorobenzene	10.0	9.80		ug/L		98	67 - 130
Chloroform	10.0	10.6		ug/L		106	77 - 119
cis-1,2-Dichloroethene	10.0	11.0		ug/L		110	69 - 133
1,2-Dichlorobenzene	10.0	9.54		ug/L		95	69 - 133
1,3-Dichlorobenzene	10.0	10.1		ug/L		101	68 - 130
1,4-Dichlorobenzene	10.0	10.0		ug/L		100	69 - 133
1,1-Dichloroethane	10.0	10.2		ug/L		102	68 - 130
1,1-Dichloroethene	10.0	10.1		ug/L		101	62 - 133
Ethylbenzene	10.0	10.4		ug/L		104	77 - 117
Tetrachloroethene	10.0	9.83		ug/L		98	59 - 130
Toluene	10.0	9.56		ug/L		96	71 - 119
trans-1,2-Dichloroethene	10.0	10.6		ug/L		106	67 - 130
Trichloroethene	10.0	10.4		ug/L		104	65 - 130
Vinyl chloride	10.0	9.36		ug/L		94	59 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*70 - 130*
Dibromofluoromethane	*99*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

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

Lab Sample ID: 660-98981-2 MS
Matrix: Water
Analysis Batch: 218954

Client Sample ID: MW-1C (142-152)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.25	U	10.0	11.5		ug/L		115	66 - 131
Chlorobenzene	5.6		10.0	16.5		ug/L		109	67 - 130
Chloroform	0.29	U	10.0	11.9		ug/L		119	77 - 119
cis-1,2-Dichloroethene	0.32	U	10.0	11.1		ug/L		111	69 - 133
1,2-Dichlorobenzene	1.2		10.0	11.6		ug/L		104	69 - 133
1,3-Dichlorobenzene	0.26	U	10.0	10.5		ug/L		105	68 - 130
1,4-Dichlorobenzene	0.22	U	10.0	11.1		ug/L		111	69 - 133
1,1-Dichloroethane	0.32	U	10.0	11.0		ug/L		110	68 - 130
1,1-Dichloroethene	0.26	U	10.0	11.5		ug/L		115	62 - 133
Ethylbenzene	0.27	U	10.0	11.5		ug/L		115	77 - 117
Tetrachloroethene	0.50	U	10.0	11.9		ug/L		119	59 - 130
Toluene	0.24	U	10.0	11.3		ug/L		113	71 - 119
trans-1,2-Dichloroethene	0.39	U	10.0	11.6		ug/L		116	67 - 130
Trichloroethene	0.61	U	10.0	12.2		ug/L		122	65 - 130
Vinyl chloride	0.26	U	10.0	10.5		ug/L		105	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*70 - 130*
Dibromofluoromethane	*100*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: 660-98981-1 DU
Matrix: Water
Analysis Batch: 218954

Client Sample ID: MW-1B (115-125)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Benzene	0.25	U	0.25	U	ug/L		NC	30
Chlorobenzene	0.27	U	0.27	U	ug/L		NC	30
Chloroform	0.29	U	0.29	U	ug/L		NC	30
cis-1,2-Dichloroethene	0.32	U	0.32	U	ug/L		NC	30
1,2-Dichlorobenzene	0.24	U	0.24	U	ug/L		NC	30
1,3-Dichlorobenzene	0.26	U	0.26	U	ug/L		NC	30
1,4-Dichlorobenzene	0.22	U	0.22	U	ug/L		NC	30
1,1-Dichloroethane	0.32	U	0.32	U	ug/L		NC	30
1,1-Dichloroethene	0.26	U	0.26	U	ug/L		NC	30
Ethylbenzene	0.27	U	0.27	U	ug/L		NC	30
Tetrachloroethene	0.50	U	0.50	U	ug/L		NC	30
Toluene	0.24	U	0.24	U	ug/L		NC	30
trans-1,2-Dichloroethene	0.39	U	0.39	U	ug/L		NC	30
Trichloroethene	0.61	U	0.61	U	ug/L		NC	30
Vinyl chloride	0.26	U	0.26	U	ug/L		NC	30
Xylenes, Total	0.50	U	0.50	U	ug/L		NC	30

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene	*110*		*70 - 130*
Dibromofluoromethane	*99*		*70 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*

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

Lab Sample ID: MB 660-219074/6
Matrix: Water
Analysis Batch: 219074

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			12/03/19 13:34	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			12/03/19 13:34	1
Chloroform	0.29	U	1.0	0.29	ug/L			12/03/19 13:34	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			12/03/19 13:34	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			12/03/19 13:34	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			12/03/19 13:34	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			12/03/19 13:34	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			12/03/19 13:34	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			12/03/19 13:34	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			12/03/19 13:34	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			12/03/19 13:34	1
Toluene	0.24	U	1.0	0.24	ug/L			12/03/19 13:34	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			12/03/19 13:34	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			12/03/19 13:34	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			12/03/19 13:34	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			12/03/19 13:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*70 - 130*		*12/03/19 13:34*	*1*
Dibromofluoromethane	*105*		*70 - 130*		*12/03/19 13:34*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*12/03/19 13:34*	*1*

Lab Sample ID: LCS 660-219074/4
Matrix: Water
Analysis Batch: 219074

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	10.0	9.88		ug/L		99	66 - 131
Chlorobenzene	10.0	9.66		ug/L		97	67 - 130
Chloroform	10.0	10.1		ug/L		101	77 - 119
cis-1,2-Dichloroethene	10.0	11.1		ug/L		111	69 - 133
1,2-Dichlorobenzene	10.0	9.24		ug/L		92	69 - 133
1,3-Dichlorobenzene	10.0	9.75		ug/L		98	68 - 130
1,4-Dichlorobenzene	10.0	9.47		ug/L		95	69 - 133
1,1-Dichloroethane	10.0	10.3		ug/L		103	68 - 130
1,1-Dichloroethene	10.0	10.2		ug/L		102	62 - 133
Ethylbenzene	10.0	9.78		ug/L		98	77 - 117
Tetrachloroethene	10.0	9.62		ug/L		96	59 - 130
Toluene	10.0	10.0		ug/L		100	71 - 119
trans-1,2-Dichloroethene	10.0	9.99		ug/L		100	67 - 130
Trichloroethene	10.0	10.3		ug/L		103	65 - 130
Vinyl chloride	10.0	9.32		ug/L		93	59 - 130

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

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

Lab Sample ID: 660-98932-G-2 MS
Matrix: Water
Analysis Batch: 219074

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.25	U	10.0	10.7		ug/L		107	66 - 131
Chlorobenzene	0.27	U	10.0	10.1		ug/L		101	67 - 130
Chloroform	0.29	U	10.0	11.0		ug/L		110	77 - 119
cis-1,2-Dichloroethene	0.32	U	10.0	11.5		ug/L		115	69 - 133
1,2-Dichlorobenzene	0.24	U	10.0	9.40		ug/L		94	69 - 133
1,3-Dichlorobenzene	0.26	U	10.0	9.74		ug/L		97	68 - 130
1,4-Dichlorobenzene	0.22	U	10.0	9.71		ug/L		97	69 - 133
1,1-Dichloroethane	0.32	U	10.0	10.4		ug/L		104	68 - 130
1,1-Dichloroethene	0.26	U	10.0	10.7		ug/L		107	62 - 133
Ethylbenzene	0.27	U	10.0	10.1		ug/L		101	77 - 117
Tetrachloroethene	0.50	U	10.0	11.0		ug/L		110	59 - 130
Toluene	0.24	U	10.0	10.6		ug/L		106	71 - 119
trans-1,2-Dichloroethene	0.39	U	10.0	11.1		ug/L		111	67 - 130
Trichloroethene	0.61	U	10.0	11.0		ug/L		110	65 - 130
Vinyl chloride	0.26	U	10.0	10.6		ug/L		106	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*70 - 130*
Dibromofluoromethane	*102*		*70 - 130*
Toluene-d8 (Surr)	*105*		*70 - 130*

Lab Sample ID: 660-98932-H-1 DU
Matrix: Water
Analysis Batch: 219074

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Benzene	0.25	U	0.25	U	ug/L		NC	30
Chlorobenzene	0.27	U	0.27	U	ug/L		NC	30
Chloroform	0.29	U	0.29	U	ug/L		NC	30
cis-1,2-Dichloroethene	0.32	U	0.32	U	ug/L		NC	30
1,2-Dichlorobenzene	0.24	U	0.24	U	ug/L		NC	30
1,3-Dichlorobenzene	0.26	U	0.26	U	ug/L		NC	30
1,4-Dichlorobenzene	0.22	U	0.22	U	ug/L		NC	30
1,1-Dichloroethane	0.32	U	0.32	U	ug/L		NC	30
1,1-Dichloroethene	0.26	U	0.26	U	ug/L		NC	30
Ethylbenzene	0.27	U	0.27	U	ug/L		NC	30
Tetrachloroethene	0.50	U	0.50	U	ug/L		NC	30
Toluene	0.24	U	0.24	U	ug/L		NC	30
trans-1,2-Dichloroethene	0.39	U	0.39	U	ug/L		NC	30
Trichloroethene	0.61	U	0.61	U	ug/L		NC	30
Vinyl chloride	0.26	U	0.26	U	ug/L		NC	30
Xylenes, Total	0.50	U	0.50	U	ug/L		NC	30

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*70 - 130*
Dibromofluoromethane	*101*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 400-467877/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 467877

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	0.50	U	1.0	0.50	ug/L			11/29/19 10:21	1
Ethane	0.75	U	1.0	0.75	ug/L			11/29/19 10:21	1
Ethylene	0.55	U	1.0	0.55	ug/L			11/29/19 10:21	1

Lab Sample ID: LCS 400-467877/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 467877

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methane	238	236		ug/L		99	85 - 115
Ethane	254	227		ug/L		89	85 - 115
Ethylene	221	199		ug/L		90	85 - 115

Lab Sample ID: LCSD 400-467877/5 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 467877

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methane	238	268		ug/L		113	85 - 115	12	20
Ethane	254	262		ug/L		103	85 - 115	14	20
Ethylene	221	225		ug/L		101	85 - 115	12	20

Lab Sample ID: 660-98981-1 DU — **Client Sample ID: MW-1B (115-125)**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 467877

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Methane	46		37.5		ug/L		20	20
Ethane	0.75	U	0.75	U	ug/L		NC	20
Ethylene	0.55	U	0.55	U	ug/L		NC	20

Lab Sample ID: MB 400-467883/30 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 467883

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	0.50	U	1.0	0.50	ug/L			11/29/19 16:08	1
Ethane	0.75	U	1.0	0.75	ug/L			11/29/19 16:08	1
Ethylene	0.55	U	1.0	0.55	ug/L			11/29/19 16:08	1

Lab Sample ID: LCS 400-467883/31 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 467883

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methane	389	405		ug/L		104	85 - 115
Ethane	736	753		ug/L		102	85 - 115
Ethylene	687	687		ug/L		100	85 - 115

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: LCSD 400-467883/32 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 467883

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methane			389	435		ug/L		112	85 - 115	7	20
Ethane			736	806		ug/L		110	85 - 115	7	20
Ethylene			687	731		ug/L		106	85 - 115	6	20

Lab Sample ID: 660-98981-3 DU — **Client Sample ID: MW-1D (200-210)**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 467883

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Methane	760			819		ug/L				8	20
Ethane	160			164		ug/L				4	20
Ethylene	0.55	U		0.55	U	ug/L				NC	20

Method: 5310 B-2011 - Organic Carbon, Total (TOC)

Lab Sample ID: MB 680-598381/2 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 598381

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.50	U	1.0	0.50	mg/L			11/26/19 21:03	1

Lab Sample ID: LCS 680-598381/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 598381

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon			20.0	20.0		mg/L		100	80 - 120		

Lab Sample ID: LCSD 680-598381/4 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 598381

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon			20.0	20.0		mg/L		100	80 - 120	0	25

Lab Sample ID: 660-98981-1 MS — **Client Sample ID: MW-1B (115-125)**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 598381

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon	6.8		20.0	27.4		mg/L		103	80 - 120		

Lab Sample ID: 660-98981-1 MSD — **Client Sample ID: MW-1B (115-125)**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 598381

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon	6.8		20.0	27.7		mg/L		104	80 - 120	1	25

Method: 5310 B-2011 - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: MB 680-598382/2 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 598382

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.50	U	1.0	0.50	mg/L			11/27/19 01:20	1

Lab Sample ID: LCS 680-598382/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 598382

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	20.0	20.0		mg/L		100	80 - 120

Lab Sample ID: LCSD 680-598382/4 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 598382

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon	20.0	20.0		mg/L		100	80 - 120	0	25

Lab Sample ID: 660-98981-9 MS — **Client Sample ID: MW-4C (142-52)**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 598382

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	6.4		20.0	26.8		mg/L		102	80 - 120

Lab Sample ID: 660-98981-9 MSD — **Client Sample ID: MW-4C (142-52)**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 598382

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon	6.4		20.0	26.9		mg/L		102	80 - 120	0	25

Lab Sample ID: MB 680-598383/2 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 598383

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.50	U	1.0	0.50	mg/L			11/27/19 05:37	1

Lab Sample ID: LCS 680-598383/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 598383

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	20.0	19.9		mg/L		99	80 - 120

Lab Sample ID: LCSD 680-598383/4 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 598383

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon	20.0	19.9		mg/L		100	80 - 120	0	25

QC Sample Results

Client: Honeywell International Inc
Project/Site: Solitron 11/18-11/20

Job ID: 660-98981-1

Method: 5310 B-2011 - Organic Carbon, Total (TOC)

Lab Sample ID: 660-98981-17 MS
Matrix: Water
Analysis Batch: 598383

Client Sample ID: MW-14C (167-197)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	2.8		20.0	23.1		mg/L		101	80 - 120

Lab Sample ID: 660-98981-17 MSD
Matrix: Water
Analysis Batch: 598383

Client Sample ID: MW-14C (167-197)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon	2.8		20.0	23.2		mg/L		102	80 - 120	1	25

QC Association Summary

Client: Honeywell International Inc
Project/Site: Solitron 11/18-11/20

Job ID: 660-98981-1

GC/MS VOA

Analysis Batch: 218949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-98981-20	MW-20C (225-235)	Total/NA	Water	8260B	
660-98981-21	Field Blank	Total/NA	Water	8260B	
660-98981-22	Field Blank	Total/NA	Water	8260B	
660-98981-23	Field Blank	Total/NA	Water	8260B	
660-98981-24	Duplicate-1	Total/NA	Water	8260B	
660-98981-25	TRIP BLANK 1	Total/NA	Water	8260B	
660-98981-26	TRIP BLANK 2	Total/NA	Water	8260B	
MB 660-218949/6	Method Blank	Total/NA	Water	8260B	
LCS 660-218949/4	Lab Control Sample	Total/NA	Water	8260B	
400-179732-B-7 MS	Matrix Spike	Total/NA	Water	8260B	
400-179732-B-7 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Analysis Batch: 218954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-98981-1	MW-1B (115-125)	Total/NA	Water	8260B	
660-98981-2	MW-1C (142-152)	Total/NA	Water	8260B	
660-98981-3	MW-1D (200-210)	Total/NA	Water	8260B	
660-98981-4 - DL	MW-1E (220-230)	Total/NA	Water	8260B	
660-98981-4	MW-1E (220-230)	Total/NA	Water	8260B	
660-98981-5	MW-1F (280-290)	Total/NA	Water	8260B	
660-98981-6	MW-3B (115-125)	Total/NA	Water	8260B	
660-98981-7	MW-3C (179-209)	Total/NA	Water	8260B	
660-98981-8	MW-4B (117-127)	Total/NA	Water	8260B	
660-98981-9	MW-4C (142-52)	Total/NA	Water	8260B	
660-98981-10	MW-12A (25-50)	Total/NA	Water	8260B	
660-98981-11	MW-12B (75-100)	Total/NA	Water	8260B	
660-98981-12	MW-13A (18.5-28.5)	Total/NA	Water	8260B	
660-98981-13	MW-13B (92-112)	Total/NA	Water	8260B	
660-98981-14	MW-13C (167-197)	Total/NA	Water	8260B	
660-98981-15	MW-14A (18.5-28.5)	Total/NA	Water	8260B	
660-98981-16	MW-14B (88.5-108.5)	Total/NA	Water	8260B	
660-98981-17	MW-14C (167-197)	Total/NA	Water	8260B	
660-98981-18	MW-20A (70-80)	Total/NA	Water	8260B	
660-98981-19	MW-20B (125-135)	Total/NA	Water	8260B	
MB 660-218954/6	Method Blank	Total/NA	Water	8260B	
LCS 660-218954/4	Lab Control Sample	Total/NA	Water	8260B	
660-98981-2 MS	MW-1C (142-152)	Total/NA	Water	8260B	
660-98981-1 DU	MW-1B (115-125)	Total/NA	Water	8260B	

Analysis Batch: 219074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-98981-19 - DL	MW-20B (125-135)	Total/NA	Water	8260B	
MB 660-219074/6	Method Blank	Total/NA	Water	8260B	
LCS 660-219074/4	Lab Control Sample	Total/NA	Water	8260B	
660-98932-G-2 MS	Matrix Spike	Total/NA	Water	8260B	
660-98932-H-1 DU	Duplicate	Total/NA	Water	8260B	

QC Association Summary

Client: Honeywell International Inc
Project/Site: Solitron 11/18-11/20

Job ID: 660-98981-1

GC VOA

Analysis Batch: 467877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-98981-1	MW-1B (115-125)	Total/NA	Water	RSK-175	
660-98981-2	MW-1C (142-152)	Total/NA	Water	RSK-175	
660-98981-4	MW-1E (220-230)	Total/NA	Water	RSK-175	
660-98981-5	MW-1F (280-290)	Total/NA	Water	RSK-175	
660-98981-6	MW-3B (115-125)	Total/NA	Water	RSK-175	
660-98981-7	MW-3C (179-209)	Total/NA	Water	RSK-175	
660-98981-8	MW-4B (117-127)	Total/NA	Water	RSK-175	
660-98981-9	MW-4C (142-52)	Total/NA	Water	RSK-175	
660-98981-10	MW-12A (25-50)	Total/NA	Water	RSK-175	
660-98981-11	MW-12B (75-100)	Total/NA	Water	RSK-175	
660-98981-12	MW-13A (18.5-28.5)	Total/NA	Water	RSK-175	
660-98981-13	MW-13B (92-112)	Total/NA	Water	RSK-175	
660-98981-14	MW-13C (167-197)	Total/NA	Water	RSK-175	
660-98981-15	MW-14A (18.5-28.5)	Total/NA	Water	RSK-175	
660-98981-16	MW-14B (88.5-108.5)	Total/NA	Water	RSK-175	
660-98981-17	MW-14C (167-197)	Total/NA	Water	RSK-175	
660-98981-18	MW-20A (70-80)	Total/NA	Water	RSK-175	
660-98981-19	MW-20B (125-135)	Total/NA	Water	RSK-175	
660-98981-20	MW-20C (225-235)	Total/NA	Water	RSK-175	
660-98981-21	Field Blank	Total/NA	Water	RSK-175	
MB 400-467877/3	Method Blank	Total/NA	Water	RSK-175	
LCS 400-467877/4	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 400-467877/5	Lab Control Sample Dup	Total/NA	Water	RSK-175	
660-98981-1 DU	MW-1B (115-125)	Total/NA	Water	RSK-175	

Analysis Batch: 467883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-98981-3	MW-1D (200-210)	Total/NA	Water	RSK-175	
660-98981-22	Field Blank	Total/NA	Water	RSK-175	
660-98981-23	Field Blank	Total/NA	Water	RSK-175	
660-98981-24	Duplicate-1	Total/NA	Water	RSK-175	
MB 400-467883/30	Method Blank	Total/NA	Water	RSK-175	
LCS 400-467883/31	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 400-467883/32	Lab Control Sample Dup	Total/NA	Water	RSK-175	
660-98981-3 DU	MW-1D (200-210)	Total/NA	Water	RSK-175	

General Chemistry

Analysis Batch: 598381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-98981-1	MW-1B (115-125)	Total/NA	Water	5310 B-2011	
660-98981-2	MW-1C (142-152)	Total/NA	Water	5310 B-2011	
660-98981-3	MW-1D (200-210)	Total/NA	Water	5310 B-2011	
660-98981-4	MW-1E (220-230)	Total/NA	Water	5310 B-2011	
660-98981-5	MW-1F (280-290)	Total/NA	Water	5310 B-2011	
660-98981-6	MW-3B (115-125)	Total/NA	Water	5310 B-2011	
660-98981-7	MW-3C (179-209)	Total/NA	Water	5310 B-2011	
660-98981-8	MW-4B (117-127)	Total/NA	Water	5310 B-2011	
MB 680-598381/2	Method Blank	Total/NA	Water	5310 B-2011	
LCS 680-598381/3	Lab Control Sample	Total/NA	Water	5310 B-2011	
LCSD 680-598381/4	Lab Control Sample Dup	Total/NA	Water	5310 B-2011	

General Chemistry (Continued)

Analysis Batch: 598381 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-98981-1 MS	MW-1B (115-125)	Total/NA	Water	5310 B-2011	
660-98981-1 MSD	MW-1B (115-125)	Total/NA	Water	5310 B-2011	

Analysis Batch: 598382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-98981-9	MW-4C (142-52)	Total/NA	Water	5310 B-2011	
660-98981-10	MW-12A (25-50)	Total/NA	Water	5310 B-2011	
660-98981-11	MW-12B (75-100)	Total/NA	Water	5310 B-2011	
660-98981-12	MW-13A (18.5-28.5)	Total/NA	Water	5310 B-2011	
660-98981-13	MW-13B (92-112)	Total/NA	Water	5310 B-2011	
660-98981-14	MW-13C (167-197)	Total/NA	Water	5310 B-2011	
660-98981-15	MW-14A (18.5-28.5)	Total/NA	Water	5310 B-2011	
660-98981-16	MW-14B (88.5-108.5)	Total/NA	Water	5310 B-2011	
MB 680-598382/2	Method Blank	Total/NA	Water	5310 B-2011	
LCS 680-598382/3	Lab Control Sample	Total/NA	Water	5310 B-2011	
LCSD 680-598382/4	Lab Control Sample Dup	Total/NA	Water	5310 B-2011	
660-98981-9 MS	MW-4C (142-52)	Total/NA	Water	5310 B-2011	
660-98981-9 MSD	MW-4C (142-52)	Total/NA	Water	5310 B-2011	

Analysis Batch: 598383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-98981-17	MW-14C (167-197)	Total/NA	Water	5310 B-2011	
660-98981-18	MW-20A (70-80)	Total/NA	Water	5310 B-2011	
660-98981-19	MW-20B (125-135)	Total/NA	Water	5310 B-2011	
660-98981-20	MW-20C (225-235)	Total/NA	Water	5310 B-2011	
660-98981-21	Field Blank	Total/NA	Water	5310 B-2011	
660-98981-22	Field Blank	Total/NA	Water	5310 B-2011	
660-98981-23	Field Blank	Total/NA	Water	5310 B-2011	
660-98981-24	Duplicate-1	Total/NA	Water	5310 B-2011	
MB 680-598383/2	Method Blank	Total/NA	Water	5310 B-2011	
LCS 680-598383/3	Lab Control Sample	Total/NA	Water	5310 B-2011	
LCSD 680-598383/4	Lab Control Sample Dup	Total/NA	Water	5310 B-2011	
660-98981-17 MS	MW-14C (167-197)	Total/NA	Water	5310 B-2011	
660-98981-17 MSD	MW-14C (167-197)	Total/NA	Water	5310 B-2011	

Lab Chronicle

Client: Honeywell International Inc
Project/Site: Solitron 11/18-11/20

Job ID: 660-98981-1

Client Sample ID: MW-1B (115-125)

Lab Sample ID: 660-98981-1
Date Collected: 11/19/19 14:54
Matrix: Water
Date Received: 11/21/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	218954	11/30/19 11:24	K1P	TAL TAM
Total/NA	Analysis	RSK-175		1	467877	11/29/19 11:39	SBC	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598381	11/26/19 22:07	RKJ	TAL SAV

Client Sample ID: MW-1C (142-152)

Lab Sample ID: 660-98981-2
Date Collected: 11/19/19 15:29
Matrix: Water
Date Received: 11/21/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	218954	11/30/19 12:10	K1P	TAL TAM
Total/NA	Analysis	RSK-175		1	467877	11/29/19 12:02	SBC	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598381	11/26/19 22:58	RKJ	TAL SAV

Client Sample ID: MW-1D (200-210)

Lab Sample ID: 660-98981-3
Date Collected: 11/20/19 09:27
Matrix: Water
Date Received: 11/21/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	218954	11/30/19 18:42	K1P	TAL TAM
Total/NA	Analysis	RSK-175		1	467883	11/29/19 16:59	JAW	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598381	11/26/19 23:14	RKJ	TAL SAV

Client Sample ID: MW-1E (220-230)

Lab Sample ID: 660-98981-4
Date Collected: 11/20/19 10:51
Matrix: Water
Date Received: 11/21/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	5	218954	11/30/19 19:29	K1P	TAL TAM
Total/NA	Analysis	8260B		1	218954	11/30/19 19:52	K1P	TAL TAM
Total/NA	Analysis	RSK-175		1	467877	11/29/19 12:40	SBC	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598381	11/26/19 23:33	RKJ	TAL SAV

Client Sample ID: MW-1F (280-290)

Lab Sample ID: 660-98981-5
Date Collected: 11/20/19 12:54
Matrix: Water
Date Received: 11/21/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	218954	11/30/19 13:19	K1P	TAL TAM
Total/NA	Analysis	RSK-175		1	467877	11/29/19 12:49	SBC	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598381	11/26/19 23:52	RKJ	TAL SAV

Lab Chronicle

Client: Honeywell International Inc
Project/Site: Solitron 11/18-11/20

Job ID: 660-98981-1

Client Sample ID: MW-3B (115-125)

Lab Sample ID: 660-98981-6
Date Collected: 11/19/19 12:36
Matrix: Water
Date Received: 11/21/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	218954	11/30/19 13:43	K1P	TAL TAM
Total/NA	Analysis	RSK-175		1	467877	11/29/19 12:59	SBC	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598381	11/27/19 00:09	RKJ	TAL SAV

Client Sample ID: MW-3C (179-209)

Lab Sample ID: 660-98981-7
Date Collected: 11/19/19 12:00
Matrix: Water
Date Received: 11/21/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	218954	11/30/19 14:06	K1P	TAL TAM
Total/NA	Analysis	RSK-175		1	467877	11/29/19 13:28	SBC	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598381	11/27/19 00:28	RKJ	TAL SAV

Client Sample ID: MW-4B (117-127)

Lab Sample ID: 660-98981-8
Date Collected: 11/19/19 13:30
Matrix: Water
Date Received: 11/21/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	218954	11/30/19 17:56	K1P	TAL TAM
Total/NA	Analysis	RSK-175		1	467877	11/29/19 13:38	SBC	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598381	11/27/19 00:45	RKJ	TAL SAV

Client Sample ID: MW-4C (142-52)

Lab Sample ID: 660-98981-9
Date Collected: 11/19/19 14:07
Matrix: Water
Date Received: 11/21/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	218954	11/30/19 14:29	K1P	TAL TAM
Total/NA	Analysis	RSK-175		1	467877	11/29/19 13:48	SBC	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598382	11/27/19 02:27	RKJ	TAL SAV

Client Sample ID: MW-12A (25-50)

Lab Sample ID: 660-98981-10
Date Collected: 11/19/19 09:04
Matrix: Water
Date Received: 11/21/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	218954	11/30/19 14:52	K1P	TAL TAM
Total/NA	Analysis	RSK-175		1	467877	11/29/19 13:58	SBC	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598382	11/27/19 03:18	RKJ	TAL SAV

Lab Chronicle

Client: Honeywell International Inc
Project/Site: Solitron 11/18-11/20

Job ID: 660-98981-1

Client Sample ID: MW-12B (75-100)

Lab Sample ID: 660-98981-11
Date Collected: 11/19/19 10:04
Matrix: Water
Date Received: 11/21/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	218954	11/30/19 15:15	K1P	TAL TAM
Total/NA	Analysis	RSK-175		1	467877	11/29/19 14:08	SBC	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598382	11/27/19 03:34	RKJ	TAL SAV

Client Sample ID: MW-13A (18.5-28.5)

Lab Sample ID: 660-98981-12
Date Collected: 11/18/19 14:39
Matrix: Water
Date Received: 11/21/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	218954	11/30/19 15:38	K1P	TAL TAM
Total/NA	Analysis	RSK-175		1	467877	11/29/19 14:18	SBC	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598382	11/27/19 03:51	RKJ	TAL SAV

Client Sample ID: MW-13B (92-112)

Lab Sample ID: 660-98981-13
Date Collected: 11/18/19 15:44
Matrix: Water
Date Received: 11/21/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	218954	11/30/19 16:01	K1P	TAL TAM
Total/NA	Analysis	RSK-175		1	467877	11/29/19 14:28	SBC	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598382	11/27/19 04:10	RKJ	TAL SAV

Client Sample ID: MW-13C (167-197)

Lab Sample ID: 660-98981-14
Date Collected: 11/18/19 17:24
Matrix: Water
Date Received: 11/21/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	218954	11/30/19 18:19	K1P	TAL TAM
Total/NA	Analysis	RSK-175		1	467877	11/29/19 14:37	SBC	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598382	11/27/19 04:27	RKJ	TAL SAV

Client Sample ID: MW-14A (18.5-28.5)

Lab Sample ID: 660-98981-15
Date Collected: 11/18/19 10:28
Matrix: Water
Date Received: 11/21/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	218954	11/30/19 16:24	K1P	TAL TAM
Total/NA	Analysis	RSK-175		1	467877	11/29/19 14:47	SBC	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598382	11/27/19 04:44	RKJ	TAL SAV

Lab Chronicle

Client: Honeywell International Inc
Project/Site: Solitron 11/18-11/20

Job ID: 660-98981-1

Client Sample ID: MW-14B (88.5-108.5)

Lab Sample ID: 660-98981-16
Date Collected: 11/18/19 12:28
Matrix: Water
Date Received: 11/21/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	218954	11/30/19 16:47	K1P	TAL TAM
Total/NA	Analysis	RSK-175		1	467877	11/29/19 14:57	SBC	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598382	11/27/19 05:03	RKJ	TAL SAV

Client Sample ID: MW-14C (167-197)

Lab Sample ID: 660-98981-17
Date Collected: 11/18/19 14:10
Matrix: Water
Date Received: 11/21/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	218954	11/30/19 17:10	K1P	TAL TAM
Total/NA	Analysis	RSK-175		1	467877	11/29/19 15:18	SBC	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598383	11/27/19 06:43	RKJ	TAL SAV

Client Sample ID: MW-20A (70-80)

Lab Sample ID: 660-98981-18
Date Collected: 11/20/19 13:41
Matrix: Water
Date Received: 11/21/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	218954	11/30/19 17:33	K1P	TAL TAM
Total/NA	Analysis	RSK-175		1	467877	11/29/19 15:27	SBC	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598383	11/27/19 07:33	RKJ	TAL SAV

Client Sample ID: MW-20B (125-135)

Lab Sample ID: 660-98981-19
Date Collected: 11/20/19 14:13
Matrix: Water
Date Received: 11/21/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	218954	11/30/19 19:05	K1P	TAL TAM
Total/NA	Analysis	8260B	DL	5	219074	12/03/19 15:29	TGP	TAL TAM
Total/NA	Analysis	RSK-175		1	467877	11/29/19 15:37	SBC	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598383	11/27/19 07:50	RKJ	TAL SAV

Client Sample ID: MW-20C (225-235)

Lab Sample ID: 660-98981-20
Date Collected: 11/20/19 14:47
Matrix: Water
Date Received: 11/21/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	218949	11/30/19 16:54	K1P	TAL TAM
Total/NA	Analysis	RSK-175		1	467877	11/29/19 15:47	SBC	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598383	11/27/19 08:09	RKJ	TAL SAV

Lab Chronicle

Client: Honeywell International Inc
Project/Site: Solitron 11/18-11/20

Job ID: 660-98981-1

Client Sample ID: Field Blank — Lab Sample ID: 660-98981-21

Date Collected: 11/18/19 10:00
Date Received: 11/21/19 08:50
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	218949	11/30/19 15:31	K1P	TAL TAM
Total/NA	Analysis	RSK-175		1	467877	11/29/19 12:29	SBC	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598383	11/27/19 08:28	RKJ	TAL SAV

Client Sample ID: Field Blank — Lab Sample ID: 660-98981-22

Date Collected: 11/19/19 07:45
Date Received: 11/21/19 08:50
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	218949	11/30/19 15:52	K1P	TAL TAM
Total/NA	Analysis	RSK-175		1	467883	11/29/19 17:23	JAW	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598383	11/27/19 08:45	RKJ	TAL SAV

Client Sample ID: Field Blank — Lab Sample ID: 660-98981-23

Date Collected: 11/20/19 07:30
Date Received: 11/21/19 08:50
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	218949	11/30/19 16:13	K1P	TAL TAM
Total/NA	Analysis	RSK-175		1	467883	11/29/19 17:33	JAW	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598383	11/27/19 09:00	RKJ	TAL SAV

Client Sample ID: Duplicate-1 — Lab Sample ID: 660-98981-24

Date Collected: 11/20/19 12:00
Date Received: 11/21/19 08:50
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	218949	11/30/19 19:00	K1P	TAL TAM
Total/NA	Analysis	RSK-175		1	467883	11/29/19 17:43	JAW	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598383	11/27/19 09:18	RKJ	TAL SAV

Client Sample ID: TRIP BLANK 1 — Lab Sample ID: 660-98981-25

Date Collected: 11/20/19 15:45
Date Received: 11/21/19 08:50
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	218949	11/30/19 16:33	K1P	TAL TAM

Client Sample ID: TRIP BLANK 2 — Lab Sample ID: 660-98981-26

Date Collected: 11/20/19 15:50
Date Received: 11/21/19 08:50
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	218949	11/30/19 15:10	K1P	TAL TAM

Lab Chronicle

Client: Honeywell International Inc
Project/Site: Solitron 11/18-11/20

Job ID: 660-98981-1

Laboratory References:

SC0015 = Pace-Pittsburgh (Microseeps), 220 William Pitt Way, Pittsburgh, PA 15238, TEL (412)826-5245

TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TAL TAM = Eurofins TestAmerica, Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Method Summary

Client: Honeywell International Inc
Project/Site: Solitron 11/18-11/20

Job ID: 660-98981-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
RSK-175	Dissolved Gases (GC)	RSK	TAL PEN
5310 B-2011	Organic Carbon, Total (TOC)	SM	TAL SAV
AM15.01G	AM15.01G Dissolved Gases	SKC/OSHA/NIOSH	SC0015
5030B	Purge and Trap	SW846	TAL TAM

Protocol References:

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab
SKC/OSHA/NIOSH = SKC/OSHA/NIOSH

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

SC0015 = Pace-Pittsburgh (Microseeps), 220 William Pitt Way, Pittsburgh, PA 15238, TEL (412)826-5245

TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TAL TAM = Eurofins TestAmerica, Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Accreditation/Certification Summary

Client: Honeywell International Inc
Project/Site: Solitron 11/18-11/20

Job ID: 660-98981-1

Laboratory: Eurofins TestAmerica, Tampa

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E84282	06-30-20

Laboratory: Eurofins TestAmerica, Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	07-01-20
ANAB	ISO/IEC 17025	L2471	02-22-20
Arizona	State	AZ0710	01-12-20
Arkansas DEQ	State	88-0689	09-01-20
California	State	2510	07-01-20
Florida	NELAP	E81010	06-30-20
Georgia	State	E81010(FL)	06-30-20
Iowa	State	367	08-01-20
Iowa	State Program	367	08-01-20
Kansas	NELAP	E-10253	08-16-20
Kentucky (UST)	State	53	06-30-20
Kentucky (UST)	State Program	53	06-30-20
Kentucky (WW)	State	KY98030	12-30-19
Louisiana	NELAP	30976	06-30-20
Louisiana	NELAP	30976	06-30-20
Louisiana (DW)	NELAP	LA017	12-31-19
Louisiana (DW)	State	<cert No.>	12-31-19
Maryland	State	233	09-30-20
Massachusetts	State	M-FL094	06-30-20
Michigan	State	9912	05-06-20
Minnesota	NELAP	012-999-481	12-31-19
New Jersey	NELAP	FL006	07-30-20
North Carolina (WW/SW)	State	314	12-31-19
North Carolina (WW/SW)	State Program	314	12-31-19
Oklahoma	State	9810-186	08-31-20
Pennsylvania	NELAP	68-00467	01-31-20
Rhode Island	State	LAO00307	12-30-19
Rhode Island	State Program	LAO00307	12-30-19
South Carolina	State	96026002	06-30-20
South Carolina	State Program	96026	06-30-20
Tennessee	State	TN02907	06-30-20
Texas	NELAP	T104704286	09-30-20
US Fish & Wildlife	Federal	LE058448-0	07-31-20
US Fish & Wildlife	US Federal Programs	LE058448	06-07-20
USDA	Federal	P330-18-00148	05-17-21
USDA	US Federal Programs	P330-18-00148	05-17-21
Virginia	NELAP	460166	06-14-20
Washington	State	C915	05-15-20
West Virginia DEP	State	136	06-30-20

Accreditation/Certification Summary

Client: Honeywell International Inc
Project/Site: Solitron 11/18-11/20

Job ID: 660-98981-1

Laboratory: Eurofins TestAmerica, Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
	AFCEE	SAVLAB	
Alabama	State	41450	06-30-20
Alaska	State	GA00006	06-30-20
Alaska (UST)	State	17-016	09-30-20
ANAB	Dept. of Defense ELAP	L2463	09-22-22
ANAB	ISO/IEC 17025	L2463.01	09-22-22
Arkansas DEQ	State	19-015-0	02-01-20
California	State	2939	06-30-20
Colorado	State	GA00006	12-31-19
Connecticut	State	PH-0161	03-31-21
Florida	NELAP	E87052	06-30-20
GA Dept. of Agriculture	State Program	N/A	06-12-20
Georgia	State	E87052	06-30-20
Georgia (DW)	State	803	06-30-20
Guam	State	19-007R	04-17-20
Hawaii	State	<cert No.>	06-30-20
Illinois	NELAP	004547	11-27-20
Indiana	State	C-GA-02	06-30-20
Iowa	State	353	06-30-21
Kansas	NELAP	E-10322	10-15-20
Kentucky (DW)	State	KY90084	12-31-19
Kentucky (UST)	State	<cert No.>	06-30-20
Kentucky (WW)	State	KY90084	12-31-19
Louisiana	NELAP	02011	06-30-20
Louisiana (DW)	State	LA009	12-31-19
Maine	State	GA00006	09-26-20
Maryland	State	250	12-31-20
Massachusetts	State	M-GA006	06-30-20
Michigan	State	9925	06-30-20
Mississippi	State	<cert No.>	06-30-20
Nebraska	State	NE-OS-7-04	06-30-20
New Hampshire	NELAP	2096	05-29-20
New Jersey	NELAP	GA769	06-30-20
New Mexico	State	GA00006	06-30-20
New York	NELAP	10842	04-01-20
North Carolina (DW)	State	13701	07-31-20
North Carolina (WW/SW)	State	269	12-31-19
Oklahoma	State	9984	08-31-20
Pennsylvania	NELAP	68-00474	06-30-20
South Carolina	State	98001	06-30-20
Tennessee	State	02961	06-30-20
Texas	NELAP	T1047004185-19-14	11-30-19
Texas	TCEQ Water Supply	T104704185	06-30-20
US Fish & Wildlife	US Federal Programs	LE058448-0	07-31-20
USDA	US Federal Programs	P330-18-00313	10-29-21
Virginia	NELAP	10509	06-14-20
Washington	State	C805	06-10-20
West Virginia (DW)	State	9950C	12-31-19
West Virginia DEP	State	094	07-31-20
Wisconsin	State	999819810	08-31-20

Laboratory: Eurofins TestAmerica, Savannah (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wyoming	State	8TMS-L	06-30-20 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Pace Analytical Energy Services LLC
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Phone: (412) 826-5245
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December 11, 2019

Bethany McDaniel
Eurofins Test America
6712 Benjamin Road
Suite 100
Tampa, FL 33634

RE: **660-98981-1 SOLITRON**

Pace Workorder: 32286

Dear Bethany McDaniel:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday, November 27, 2019. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Ruth Welsh

Ruth Welsh 12/11/2019
Ruth.Welsh@pacelabs.com

Customer Service Representative

Enclosures

As a valued client we would appreciate your comments on our service.
Please email PAESfeedback@pacelabs.com.

Total Number of Pages 39

CERTIFICATE OF ANALYSIS

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LABORATORY ACCREDITATIONS & CERTIFICATIONS

Accreditor:	Pennsylvania Department of Environmental Protection, Bureau of Laboratories
Accreditation ID:	02-00538
Scope:	NELAP Non-Potable Water
Accreditor:	West Virginia Department of Environmental Protection, Division of Water and Waste Management
Accreditation ID:	395
Scope:	Non-Potable Water
Accreditor:	South Carolina Department of Health and Environmental Control, Office of Environmental Laboratory Certification
Accreditation ID:	89009003
Scope:	Clean Water Act (CWA); Resource Conservation and Recovery Act (RCRA)
Accreditor:	State of Virginia
Accreditation ID:	460201
Scope:	Non-Potable Water
Accreditor:	NELAP: New Jersey, Department of Environmental Protection
Accreditation ID:	PA026
Scope:	Non-Potable Water
Accreditor:	NELAP: New York, Department of Health Wadsworth Center
Accreditation ID:	11815
Scope:	Non-Potable Water
Accreditor:	State of Connecticut, Department of Public Health, Division of Environmental Health
Accreditation ID:	PH-0263
Scope:	Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA)
Accreditor:	NELAP: Texas, Commission on Environmental Quality
Accreditation ID:	T104704453-09-TX
Scope:	Non-Potable Water
Accreditor:	State of New Hampshire
Accreditation ID:	299409
Scope:	Non-potable water
Accreditor:	State of Georgia
Accreditation ID:	Chapter 391-3-26
Scope:	As per the Georgia EPD Rules and Regulations for Commercial Laboratories, PAES is accredited by the Pennsylvania Department of Environmental Protection Bureau of Laboratories under the National Environmental Laboratory Approval Program (NELAC).

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SAMPLE SUMMARY

Workorder: 32286 660-98981-1 SOLITRON

Lab ID	Sample ID	Matrix	Date Collected	Date Received
322860001	MW-1B (115-125) (660-98981-1)	Water	11/19/2019 14:54	11/27/2019 12:50
322860002	MW-1C (142-152) (660-98981-2)	Water	11/19/2019 15:29	11/27/2019 12:50
322860003	MW-1D (200-210) (660-98981-3)	Water	11/20/2019 09:27	11/27/2019 12:50
322860004	MW-1E (220-230) (660-98981-4)	Water	11/20/2019 10:51	11/27/2019 12:50
322860005	MW-1F (280-290) (660-98981-5)	Water	11/20/2019 12:54	11/27/2019 12:50
322860006	MW-3B (115-125) (660-98981-6)	Water	11/19/2019 12:36	11/27/2019 12:50
322860007	MW-3C (179-209) (660-98981-7)	Water	11/19/2019 12:00	11/27/2019 12:50
322860008	MW-4B (117-127) (660-98981-8)	Water	11/19/2019 13:30	11/27/2019 12:50
322860009	MW-4C (142-52) (660-98981-9)	Water	11/19/2019 14:07	11/27/2019 12:50
322860010	MW-12A (25-50) (660-98981-10)	Water	11/19/2019 09:04	11/27/2019 12:50
322860011	MW-12B (75-100) (660-98981-11)	Water	11/19/2019 10:04	11/27/2019 12:50
322860012	MW-13A(18.5-28.5)(660-98981-12	Water	11/18/2019 14:39	11/27/2019 12:50
322860013	MW-13B (92-112) (660-98981-13)	Water	11/18/2019 15:44	11/27/2019 12:50
322860014	MW-13C (167-197)(660-98981-14)	Water	11/18/2019 17:24	11/27/2019 12:50
322860015	MW-14A(18.5-28.5)(660-98981-15	Water	11/18/2019 10:28	11/27/2019 12:50
322860016	MW-14B(88.5-108.5)660-98981-16	Water	11/18/2019 12:28	11/27/2019 12:50
322860017	MW-14C(167-197) (660-98981-17)	Water	11/18/2019 14:10	11/27/2019 12:50
322860018	MW-20A (70-80) (660-98981-18)	Water	11/20/2019 13:41	11/27/2019 12:50
322860019	MW-20B (125-135)(660-98981-19)	Water	11/20/2019 14:13	11/27/2019 12:50
322860020	MW-20C (225-235)(660-98981-20)	Water	11/20/2019 14:47	11/27/2019 12:50
322860021	FIELD BLANK (660-98981-21)	Water	11/18/2019 10:00	11/27/2019 12:50
322860022	FIELD BLANK (660-98981-22)	Water	11/19/2019 07:45	11/27/2019 12:50
322860023	FIELD BLANK (660-98981-23)	Water	11/20/2019 07:30	11/27/2019 12:50
322860024	DUPLICATE-1 (660-98981-24)	Water	11/20/2019 12:00	11/27/2019 12:50

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ANALYTICAL RESULTS

Workorder: 32286 660-98981-1 SOLITRON

Lab ID: **322860001** Date Received: 11/27/2019 12:50 Matrix: Water

Sample ID: **MW-1B (115-125) (660-98981-1)** Date Collected: 11/19/2019 14:54

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX			Analytical Method: AM20GAX					
Carbon Dioxide	**12**	mg/l	5.0	0.45	1	12/3/2019 08:40	BW	n

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ANALYTICAL RESULTS

Workorder: 32286 660-98981-1 SOLITRON

Lab ID: **322860002** Date Received: 11/27/2019 12:50 Matrix: Water

Sample ID: **MW-1C (142-152) (660-98981-2)** Date Collected: 11/19/2019 15:29

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX			Analytical Method: AM20GAX					
Carbon Dioxide	**18**	mg/l	5.0	0.45	1	12/3/2019 08:50	BW	n

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ANALYTICAL RESULTS

Workorder: 32286 660-98981-1 SOLITRON

Lab ID: **322860003** Date Received: 11/27/2019 12:50 Matrix: Water

Sample ID: **MW-1D (200-210) (660-98981-3)** Date Collected: 11/20/2019 09:27

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX			Analytical Method: AM20GAX					
Carbon Dioxide	**9.4**	mg/l	5.0	0.45	1	12/3/2019 09:01	BW	n

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ANALYTICAL RESULTS

Workorder: 32286 660-98981-1 SOLITRON

Lab ID: **322860004** Date Received: 11/27/2019 12:50 Matrix: Water

Sample ID: **MW-1E (220-230) (660-98981-4)** Date Collected: 11/20/2019 10:51

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX			Analytical Method: AM20GAX					
Carbon Dioxide	**11**	mg/l	5.0	0.45	1	12/3/2019 09:13	BW	n

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ANALYTICAL RESULTS

Workorder: 32286 660-98981-1 SOLITRON

Lab ID: **322860005** Date Received: 11/27/2019 12:50 Matrix: Water

Sample ID: **MW-1F (280-290) (660-98981-5)** Date Collected: 11/20/2019 12:54

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX			Analytical Method: AM20GAX					
Carbon Dioxide	**6.9**	mg/l	5.0	0.45	1	12/3/2019 09:23	BW	n

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ANALYTICAL RESULTS

Workorder: 32286 660-98981-1 SOLITRON

Lab ID: **322860006** Date Received: 11/27/2019 12:50 Matrix: Water

Sample ID: **MW-3B (115-125) (660-98981-6)** Date Collected: 11/19/2019 12:36

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX			Analytical Method: AM20GAX					
Carbon Dioxide	**14**	mg/l	5.0	0.45	1	12/3/2019 09:34	BW	n

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ANALYTICAL RESULTS

Workorder: 32286 660-98981-1 SOLITRON

Lab ID: **322860007** Date Received: 11/27/2019 12:50 Matrix: Water

Sample ID: **MW-3C (179-209) (660-98981-7)** Date Collected: 11/19/2019 12:00

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX			Analytical Method: AM20GAX					
Carbon Dioxide	**11**	mg/l	5.0	0.45	1	12/3/2019 09:48	BW	n

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ANALYTICAL RESULTS

Workorder: 32286 660-98981-1 SOLITRON

Lab ID: **322860008** Date Received: 11/27/2019 12:50 Matrix: Water

Sample ID: **MW-4B (117-127) (660-98981-8)** Date Collected: 11/19/2019 13:30

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX			Analytical Method: AM20GAX					
Carbon Dioxide	**9.6**	mg/l	5.0	0.45	1	12/3/2019 11:00	BW	n

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ANALYTICAL RESULTS

Workorder: 32286 660-98981-1 SOLITRON

Lab ID: **322860009** Date Received: 11/27/2019 12:50 Matrix: Water

Sample ID: **MW-4C (142-52) (660-98981-9)** Date Collected: 11/19/2019 14:07

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX		Analytical Method: AM20GAX						
Carbon Dioxide	**23**	mg/l	5.0	0.45	1	12/3/2019 11:10	BW	n

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Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 32286 660-98981-1 SOLITRON

Lab ID: **322860010** Date Received: 11/27/2019 12:50 Matrix: Water

Sample ID: **MW-12A (25-50) (660-98981-10)** Date Collected: 11/19/2019 09:04

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX			Analytical Method: AM20GAX					
Carbon Dioxide	**<5.0**	mg/l	5.0	0.45	1	12/3/2019 11:21	BW	n

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Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 32286 660-98981-1 SOLITRON

Lab ID: **322860011** Date Received: 11/27/2019 12:50 Matrix: Water

Sample ID: **MW-12B (75-100) (660-98981-11)** Date Collected: 11/19/2019 10:04

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX			Analytical Method: AM20GAX					
Carbon Dioxide	**<5.0**	mg/l	5.0	0.45	1	12/3/2019 11:30	BW	n

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ANALYTICAL RESULTS

Workorder: 32286 660-98981-1 SOLITRON

Lab ID: **322860012** Date Received: 11/27/2019 12:50 Matrix: Water

Sample ID: **MW-13A(18.5-28.5)(660-98981-12** Date Collected: 11/18/2019 14:39

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX			Analytical Method: AM20GAX					
Carbon Dioxide	**160**	mg/l	5.0	0.47	1	12/2/2019 07:36	TD	n

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ANALYTICAL RESULTS

Workorder: 32286 660-98981-1 SOLITRON

Lab ID: **322860013** Date Received: 11/27/2019 12:50 Matrix: Water

Sample ID: **MW-13B (92-112) (660-98981-13)** Date Collected: 11/18/2019 15:44

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX			Analytical Method: AM20GAX					
Carbon Dioxide	**6.7**	mg/l	5.0	0.47	1	12/2/2019 07:49	TD	n

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ANALYTICAL RESULTS

Workorder: 32286 660-98981-1 SOLITRON

Lab ID: **322860014** Date Received: 11/27/2019 12:50 Matrix: Water

Sample ID: **MW-13C (167-197)(660-98981-14)** Date Collected: 11/18/2019 17:24

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX			Analytical Method: AM20GAX					
Carbon Dioxide	**54**	mg/l	5.0	0.47	1	12/2/2019 08:01	TD	n

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ANALYTICAL RESULTS

Workorder: 32286 660-98981-1 SOLITRON

Lab ID: **322860015** Date Received: 11/27/2019 12:50 Matrix: Water

Sample ID: **MW-14A(18.5-28.5)(660-98981-15** Date Collected: 11/18/2019 10:28

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX			Analytical Method: AM20GAX					
Carbon Dioxide	**8.2**	mg/l	5.0	0.47	1	12/2/2019 08:13	TD	n

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ANALYTICAL RESULTS

Workorder: 32286 660-98981-1 SOLITRON

Lab ID: **322860016** Date Received: 11/27/2019 12:50 Matrix: Water

Sample ID: **MW-14B(88.5-108.5)660-98981-16** Date Collected: 11/18/2019 12:28

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX			Analytical Method: AM20GAX					
Carbon Dioxide	**<5.0**	mg/l	5.0	0.47	1	12/2/2019 08:26	TD	n

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ANALYTICAL RESULTS

Workorder: 32286 660-98981-1 SOLITRON

Lab ID: **322860017** Date Received: 11/27/2019 12:50 Matrix: Water

Sample ID: **MW-14C(167-197) (660-98981-17)** Date Collected: 11/18/2019 14:10

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX			Analytical Method: AM20GAX					
Carbon Dioxide	**<5.0**	mg/l	5.0	0.47	1	12/2/2019 09:21	TD	n

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ANALYTICAL RESULTS

Workorder: 32286 660-98981-1 SOLITRON

Lab ID: **322860018** Date Received: 11/27/2019 12:50 Matrix: Water

Sample ID: **MW-20A (70-80) (660-98981-18)** Date Collected: 11/20/2019 13:41

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX			Analytical Method: AM20GAX					
Carbon Dioxide	**26**	mg/l	5.0	0.45	1	12/3/2019 11:41	BW	n

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ANALYTICAL RESULTS

Workorder: 32286 660-98981-1 SOLITRON

Lab ID: **322860019** Date Received: 11/27/2019 12:50 Matrix: Water

Sample ID: **MW-20B (125-135)(660-98981-19)** Date Collected: 11/20/2019 14:13

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX			Analytical Method: AM20GAX					
Carbon Dioxide	**21**	mg/l	5.0	0.45	1	12/3/2019 11:51	BW	n

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ANALYTICAL RESULTS

Workorder: 32286 660-98981-1 SOLITRON

Lab ID: **322860020** Date Received: 11/27/2019 12:50 Matrix: Water

Sample ID: **MW-20C (225-235)(660-98981-20)** Date Collected: 11/20/2019 14:47

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX			Analytical Method: AM20GAX					
Carbon Dioxide	**15**	mg/l	5.0	0.45	1	12/3/2019 12:01	BW	n

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ANALYTICAL RESULTS

Workorder: 32286 660-98981-1 SOLITRON

Lab ID: **322860021** Date Received: 11/27/2019 12:50 Matrix: Water

Sample ID: **FIELD BLANK (660-98981-21)** Date Collected: 11/18/2019 10:00

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX			Analytical Method: AM20GAX					
Carbon Dioxide	**<5.0**	mg/l	5.0	0.47	1	12/2/2019 09:33	TD	n

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ANALYTICAL RESULTS

Workorder: 32286 660-98981-1 SOLITRON

Lab ID: **322860022** Date Received: 11/27/2019 12:50 Matrix: Water

Sample ID: **FIELD BLANK (660-98981-22)** Date Collected: 11/19/2019 07:45

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX			Analytical Method: AM20GAX					
Carbon Dioxide	**<5.0**	mg/l	5.0	0.45	1	12/3/2019 12:10	BW	n

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ANALYTICAL RESULTS

Workorder: 32286 660-98981-1 SOLITRON

Lab ID: **322860023** Date Received: 11/27/2019 12:50 Matrix: Water

Sample ID: **FIELD BLANK (660-98981-23)** Date Collected: 11/20/2019 07:30

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX			Analytical Method: AM20GAX					
Carbon Dioxide	**<5.0**	mg/l	5.0	0.45	1	12/4/2019 11:48	BW	n

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ANALYTICAL RESULTS

Workorder: 32286 660-98981-1 SOLITRON

Lab ID: **322860024** Date Received: 11/27/2019 12:50 Matrix: Water

Sample ID: **DUPLICATE-1 (660-98981-24)** Date Collected: 11/20/2019 12:00

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX			Analytical Method: AM20GAX					
Carbon Dioxide	**22**	mg/l	5.0	0.45	1	12/4/2019 12:01	BW	n

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ANALYTICAL RESULTS QUALIFIERS

Workorder: 32286 660-98981-1 SOLITRON

DEFINITIONS/QUALIFIERS

MDL	Method Detection Limit. Can be used synonymously with LOD; Limit Of Detection.
PQL	Practical Quanitation Limit. Can be used synonymously with LOQ; Limit Of Quantitation.
ND	Not detected at or above reporting limit.
DF	Dilution Factor.
S	Surrogate.
RPD	Relative Percent Difference.
% Rec	Percent Recovery.
U	Indicates the compound was analyzed for, but not detected at or above the noted concentration.
J	Estimated concentration greater than the set method detection limit (MDL) and less than the set reporting limit (PQL).
n	The laboratory does not hold NELAP/TNI accreditation for this method or analyte.

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QUALITY CONTROL DATA

Workorder: 32286 660-98981-1 SOLITRON

QC Batch: DISG/7951 Analysis Method: AM20GAX

QC Batch Method: AM20GAX

Associated Lab Samples: 322860012, 322860013, 322860014, 322860015, 322860016, 322860017, 322860021

METHOD BLANK: 64664

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
RISK				
Carbon Dioxide	mg/l	<5.0	5.0	n

LABORATORY CONTROL SAMPLE & LCSD: 64666 64668

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Carbon Dioxide	mg/l	120	120	120	102	101	80-120	0.47	20	n

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QUALITY CONTROL DATA

Workorder: 32286 660-98981-1 SOLITRON

QC Batch: DISG/7953 Analysis Method: AM20GAX

QC Batch Method: AM20GAX

Associated Lab Samples: 322860001, 322860002, 322860003, 322860004, 322860005, 322860006, 322860007, 322860008, 322860009, 322860010, 322860011, 322860018, 322860019, 322860020, 322860022

METHOD BLANK: 64676

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
RISK				
Carbon Dioxide	mg/l	<5.0	5.0	n

LABORATORY CONTROL SAMPLE & LCSD: 64678 64680

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Carbon Dioxide	mg/l	120	120	120	100	103	80-120	3.3	20	n

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QUALITY CONTROL DATA

Workorder: 32286 660-98981-1 SOLITRON

QC Batch: DISG/7954 Analysis Method: AM20GAX

QC Batch Method: AM20GAX

Associated Lab Samples: 322860023, 322860024

METHOD BLANK: 64738

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
RISK				
Carbon Dioxide	mg/l	<5.0	5.0	n

LABORATORY CONTROL SAMPLE & LCSD: 64739 64740

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Carbon Dioxide	mg/l	120	120	110	99	96	80-120	2.6	20	n

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QUALITY CONTROL DATA QUALIFIERS

Workorder: 32286 660-98981-1 SOLITRON

QUALITY CONTROL PARAMETER QUALIFIERS

n	The laboratory does not hold NELAP/TNI accreditation for this method or analyte.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 32286 660-98981-1 SOLITRON

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
322860012	MW-13A(18.5-28.5)(660-98981-12			AM20GAX	DISG/7951
322860013	MW-13B (92-112) (660-98981-13)			AM20GAX	DISG/7951
322860014	MW-13C (167-197)(660-98981-14)			AM20GAX	DISG/7951
322860015	MW-14A(18.5-28.5)(660-98981-15			AM20GAX	DISG/7951
322860016	MW-14B(88.5-108.5)660-98981-16			AM20GAX	DISG/7951
322860017	MW-14C(167-197) (660-98981-17)			AM20GAX	DISG/7951
322860021	FIELD BLANK (660-98981-21)			AM20GAX	DISG/7951
322860001	MW-1B (115-125) (660-98981-1)			AM20GAX	DISG/7953
322860002	MW-1C (142-152) (660-98981-2)			AM20GAX	DISG/7953
322860003	MW-1D (200-210) (660-98981-3)			AM20GAX	DISG/7953
322860004	MW-1E (220-230) (660-98981-4)			AM20GAX	DISG/7953
322860005	MW-1F (280-290) (660-98981-5)			AM20GAX	DISG/7953
322860006	MW-3B (115-125) (660-98981-6)			AM20GAX	DISG/7953
322860007	MW-3C (179-209) (660-98981-7)			AM20GAX	DISG/7953
322860008	MW-4B (117-127) (660-98981-8)			AM20GAX	DISG/7953
322860009	MW-4C (142-52) (660-98981-9)			AM20GAX	DISG/7953
322860010	MW-12A (25-50) (660-98981-10)			AM20GAX	DISG/7953
322860011	MW-12B (75-100) (660-98981-11)			AM20GAX	DISG/7953
322860018	MW-20A (70-80) (660-98981-18)			AM20GAX	DISG/7953
322860019	MW-20B (125-135)(660-98981-19)			AM20GAX	DISG/7953
322860020	MW-20C (225-235)(660-98981-20)			AM20GAX	DISG/7953
322860022	FIELD BLANK (660-98981-22)			AM20GAX	DISG/7953
322860023	FIELD BLANK (660-98981-23)			AM20GAX	DISG/7954
322860024	DUPLICATE-1 (660-98981-24)			AM20GAX	DISG/7954

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Eurofins TestAmerica, Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone: 813-885-7427 Fax: 813-885-7049

Chain of Custody Record

eurofins | Environment Testing TestAmerica

12/13/2019

Client Information (Sub Contract Lab)	Sampler:	Lab PM: McDaniel, Bethany A	Carrier Tracking No(s):	COC No: 660-118383.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: bethany.mcdaniel@testamericainc.com	State of Origin: Florida	Page: Page 1 of 3
Company: Pace Analytical Energy Services, LLC		Accreditations Required (See note): NELAP - Florida		Job #: 660-98981-1
Address: 220 William Pitt Way, ,	Due Date Requested: 11/27/2019			
City: Pittsburgh	TAT Requested (days):			
State, Zip: PA, 15238				
Phone: 412-826-5245(Tel)	PO #:			
Email:	WO #:			
Project Name: Solitron 11/18-11/20	Project #: 66002759			
Site: Solitron - Boca Raton	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUB (Carbon Dioxide sub to Microseeps (Pace))/ Carbon Dioxide sub to Microseeps (Pace)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-1B (115-125) (660-98981-1)	11/19/19	14:54 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES
MW-1C (142-152) (660-98981-2)	11/19/19	15:29 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES
MW-1D (200-210) (660-98981-3)	11/20/19	09:27 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES
MW-1E (220-230) (660-98981-4)	11/20/19	10:51 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES
MW-1F (280-290) (660-98981-5)	11/20/19	12:54 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES
MW-3B (115-125) (660-98981-6)	11/19/19	12:36 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES
MW-3C (179-209) (660-98981-7)	11/19/19	12:00 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES
MW-4B (117-127) (660-98981-8)	11/19/19	13:30 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES
MW-4C (142-52) (660-98981-9)	11/19/19	14:07 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by:	Date/Time: 11/26/19 1878	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		

Eurofins TestAmerica, Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone: 813-885-7427 Fax: 813-885-7049

Chain of Custody Record

32286

eurofins | Environment Testing TestAmerica

12/13/2019

Client Information (Sub Contract Lab)	Sampler:	Lab PM: McDaniel, Bethany A	Carrier Tracking No(s):	COC No: 660-118383.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: bethany.mcdaniel@testamericainc.com	State of Origin: Florida	Page: Page 2 of 3
Company: Pace Analytical Energy Services, LLC		Accreditations Required (See note): NELAP - Florida		Job #: 660-98981-1
Address: 220 William Pitt Way, ,	Due Date Requested: 11/27/2019			
City: Pittsburgh	TAT Requested (days):			
State, Zip: PA, 15238				
Phone: 412-826-5245(Tel)	PO #:			
Email:	WO #:			
Project Name: Solitron 11/18-11/20	Project #: 66002759			
Site: Solitron - Boca Raton	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUB (Carbon Dioxide sub to Microseeps (Pace))/ Carbon Dioxide sub to Microseeps (Pace)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-12A (25-50) (660-98981-10)	11/19/19	09:04 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES
MW-12B (75-100) (660-98981-11)	11/19/19	10:04 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES
MW-13A (18.5-28.5) (660-98981-12)	11/18/19	14:39 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES
MW-13B (92-112) (660-98981-13)	11/18/19	15:44 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES
MW-13C (167-197) (660-98981-14)	11/18/19	17:24 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES
MW-14A (18.5-28.5) (660-98981-15)	11/18/19	10:28 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES
MW-14B (88.5-108.5) (660-98981-16)	11/18/19	12:28 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES
MW-14C (167-197) (660-98981-17)	11/18/19	14:10 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES
MW-20A (70-80) (660-98981-18)	11/20/19	13:41 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. I

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 11/21/19 1838	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		

Eurofins TestAmerica, Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone: 813-885-7427 Fax: 813-885-7049

Chain of Custody Record 32286

eurofins | Environment Testing TestAmerica

Client Information (Sub Contract Lab)	Sampler:	Lab PM: McDaniel, Bethany A	Carrier Tracking No(s):	COC No: 660-118383.3
Client Contact: Shipping/Receiving	Phone:	E-Mail: bethany.mcdaniel@testamericainc.com	State of Origin: Florida	Page: Page 3 of 3
Company: Pace Analytical Energy Services, LLC		Accreditations Required (See note): NELAP - Florida		Job #: 660-98981-1
Address: 220 William Pitt Way, ,	Due Date Requested: 11/27/2019			
City: Pittsburgh	TAT Requested (days):			
State, Zip: PA, 15238				
Phone: 412-826-5245(Tel)	PO #:			
Email:	WO #:			
Project Name: Solitron 11/18-11/20	Project #: 66002759			
Site: Solitron - Boca Raton	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUB (Carbon Dioxide sub to Microseeps (Pace))/ Carbon Dioxide sub to Microseeps (Pace)	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X		X	
MW-20B (125-135) (660-98981-19)	11/20/19	14:13 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES
MW-20C (225-235) (660-98981-20)	11/20/19	14:47 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES
Field Blank (660-98981-21)	11/18/19	10:00 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES
Field Blank (660-98981-22)	11/19/19	07:45 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES
Field Blank (660-98981-23)	11/20/19	07:30 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES
Duplicate-1 (660-98981-24)	11/20/19	12:00 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. I

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: [signature]	Date/Time: 11/26/19 1878	Company: TAT	Received by: [signature]	Date/Time: 11-27-19 1050	Company: TBES
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		

Ver: 01/16/2019

Cooler Receipt Form

Client Name: _____ **Project:** _____ **Lab Work Order:** 32286

A. Shipping/Container Information (circle appropriate response)

Courier: FedEx UPS USPS Client Other:_____ **Air bill Present:** Yes No

Tracking Number:_____

Custody Seal on Cooler/Box Present: Yes No **Seals Intact:** Yes No

Cooler/Box Packing Material: Bubble Wrap Absorbent Foam Other:_____

Type of Ice: Wet Blue None **Ice Intact:** Yes Melted

Cooler Temperature:_____ **Radiation Screened:** Yes No **Chain of Custody Present:** Yes No

Comments:_____

B. Laboratory Assignment/Log-in (check appropriate response)

	YES	NO	N/A	Comment Reference non-Conformance
Chain of Custody properly filled out	✓			
Chain of Custody relinquished	✓			
Sampler Name & Signature on COC			✓	
Containers intact	✓			
Were samples in separate bags	✓			
Sample container labels match COC Sample name/date and time collected	✓			
Sufficient volume provided	✓			
PAES containers used	✓			
Are containers properly preserved for the requested testing? (as labeled)	✓			
If an unknown preservation state, were containers checked? Exception: VOA's coliform			✓	If yes, see pH form.
Was volume for dissolved testing field filtered, as noted on the COC? Was volume received in a preserved container?			✓	
Headspace present?	✓			[illegible]

Comments:_____

_____

Cooler contents examined/received by :_____ **Date:**_____

Project Manager Review :_____ **Date:** 11/22/19

F-PAE-Q-009-rev.01, 3Oct2017

NON-CONFORMANCE FORM

PAES Work Order #: 32286

Date: [illegible] Time of Receipt: [illegible] Receiver: [illegible]

Client: [illegible]

REASON FOR NON-CONFORMANCE:

[illegible]

ACTION TAKEN:

Client name: Bethany Mcdonald Date: 11/27/19 Time: 13:42

Client emailed

Customer Service Initials: NW Date: 11/27/19

F-PAE-Q-014-rev.00, 20 Nov2014

Joseph Ward - Solitron 11/18-11/20

From: Joseph Ward
To: bethany.mcdaniel@testamericainc.com
Subject: Solitron 11/18-11/20

Upon receiving your samples for the project referenced above, We noticed the following.

There is headspace present in 1 vial for sample MW-1D. We can still run the analysis.

There is headspace present in both vials for sample MW-12A. We can still run the analysis.

Thank you.

Joseph Ward
Customer Service
Pace Analytical Energy Services
220 William Pitt Way
Pittsburgh PA 15238
412-826-5245/412-826-2384(Direct)

Eurofins TestAmerica, Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone (813) 885-7427 Fax (813) 885-7049

Chain of Custody Record 242 - Ft Lauderdale

eurofins Environment Testing TestAmerica

Client Information	Sampler: Brian Fox	Lab PM: McDaniel, Bethany A	Carrier Tracking No(s):	COC No: 660-89060-25068.1
Client Contact: ~~Mr. Brian Fox~~ John Perella	Phone: 561-866-2747	E-Mail: bethany.mcdaniel@testamericainc.com		Page: Page 1 of 4
Company: ARCADIS U.S. Inc				Job #:
Address: 1500 Gateway Blvd Suite 200	Due Date Requested:			
City: Boynton Beach	TAT Requested (days): STANDARD			
State, Zip: FL, 33426				
Phone: 804-530-6211(Tel)	PO #: 4400038537			
Email:	WO #:			
Project Name: Solitron MWs	Project #: 66002759			
Site: Florida	SSOW#:			

Analysis Requested

Loc: 660
98981

660-98981 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - VOCs	RSK_175 - Diss Gasses (MEE)	SM5310_TOC_B - Total Organic Carbon	SUBCONTRACT - Carbon Dioxide sub to Microseeps (Pace)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	A	S	N		
MW-1B (115-125)	11-19-19	1454	G	Water			X	X	X	X	11	
MW-1C (142-152)	11-19-19	1529	G	Water			X	X	X	X	11	
MW-1D (200-210)	11-20-19	0927	G	Water			X	X	X	X	11	
MW-1E (220-230)	11-20-19	1051	G	Water			X	X	X	X	11	
MW-1F (280-290)	11-20-19	1254	G	Water			X	X	X	X	11	
MW-3B (115-125)	11-19-19	1236	G	Water		X	X	X	X	X	11	
MW-3C (179-209)	11-19-19	1200	G	Water		X	X	X	X	X	11	
MW-4B (117-127	11-19-19	1330	G	Water		X	X	X	X	X	11	
MW-4C (142-152)	11-19-19	1407	G	Water		X	X	X	X	X	11	
MW-12A (25-50)	11-19-19	0904	G	Water		X	X	X	X	X	11	
MW-12B (75-100)	11-19-19	1004	G	Water		X	X	X	X	X	11	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
[signature]	11-20-19 1630	Arcadis	[signature]	11/21/19 850	Eurofins TPA

Custody Seals Intact: ☒ Yes Δ No

Custody Seal No.: 1201679 / 1201678

Cooler Temperature(s) °C and Other Remarks: 2.8/2.9 1009 3.0/3.0

Ver: 01/16/2019

Eurofins TestAmerica, Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone (813) 885-7427 Fax (813) 885-7049

Chain of Custody Record 242 - Ft Lauderdale

eurofins Environment Testing TestAmerica

Client Information	Sampler: Brian Fox	Lab PM: McDaniel, Bethany A	Carrier Tracking No(s):	COC No: 660-89060-25068.2
Client Contact: ~~Mr. Brian Fox~~ John Perella	Phone: 561-866-2747	E-Mail: bethany.mcdaniel@testamericainc.com		Page: Page 2 of 4
Company: ARCADIS U.S. Inc				Job #:
Address: 1500 Gateway Blvd Suite 200	Due Date Requested:			
City: Boynton Beach	TAT Requested (days): STANDARD			
State, Zip: FL, 33426				
Phone: 804-530-6211(Tel)	PO #: 4400038537			
Email:	WO #:			
Project Name: Solitron MWs	Project #: 66002759			
Site: Florida	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - VOCs	RSK_175 - Diss Gasses (MEE)	SM5310_TOC_B - Total Organic Carbon	SUBCONTRACT - Carbon Dioxide sub to Microseeps (Pace)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	A	S	N		
MW-13A (18.5-28.5)	11-18-19	1439	G	Water			X	X	X	X	11	
MW-13B (92-112)	11-18-19	1544	G	Water			X	X	X	X	11	
MW-13C (167-197)	11-18-19	1724	G	Water			X	X	X	X	11	
MW-14A (18.5-28.5)	11-18-19	1028	G	Water			X	X	X	X	11	
MW-14B (88.5-108.5)	11-18-19	1228	G	Water			X	X	X	X	11	
MW-14C (167-197)	11-18-19	1410	G	Water			X	X	X	X	11	
MW-18A (70-80)				Water								
MW-18B (150-160)				Water								
MW-18C (245-255)				Water								
MW-19A (60-70)				Water								
MW-19B (135-145)				Water								

Possible Hazard Identification
☒ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	11/20/19 1630	Arcadis			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☒ Yes △ No
Custody Seal No.: 1201679 / 1201678
Cooler Temperature(s) °C and Other Remarks: 2.8/2.9 EU09

Ver: 01/16/2019

Eurofins TestAmerica, Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone (813) 885-7427 Fax (813) 885-7049

Chain of Custody Record

242 - Ft Lauderdale

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Brian Fox	Lab PM: McDaniel, Bethany A	Carrier Tracking No(s):	COC No: 660-89060-25068.3
Client Contact: ~~Mr. Brian Fox~~ John Perella	Phone: 561-866-2747	E-Mail: bethany.mcdaniel@testamericainc.com		Page: Page 3 of 4
Company: ARCADIS U.S. Inc				Job #:
Address: 1500 Gateway Blvd Suite 200	Due Date Requested:			
City: Boynton Beach	TAT Requested (days): STANDARD			
State, Zip: FL, 33426				
Phone: 804-530-6211(Tel)	PO #: 4400038537			
Email:	WO #:			
Project Name: Solitron MWs	Project #: 66002759			
Site: Florida	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - VOCs	RSK_175 - Diss Gasses (MEE)	SM5310_TOC_B - Total Organic Carbon	SUBCONTRACT - Carbon Dioxide sub to Microseeps (Pace)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	A	S	N		
MW-19C (170-180)				Water								
MW-19D (225-265)				Water								
MW-20A (70-80)	11-20-19	1341	G	Water			X	X	X	X	11	
MW-20B (125-135)	11-20-19	1413	G	Water			X	X	X	X	11	
MW-20C (225-235)	11-20-19	1442	G	Water			X	X	X	X	11	
MW-22A (60-70)				Water								
MW-22B (135-145)				Water								
MW-22C (230-240)				Water								
FIELD BLANK	11-18-19	1000	G	Water		N	X	X	X	X	11	
Field Blank	11-19-19	0745	G	Water			X	X	X	X	11	
Field Blank	11-20-19	0730	G	Water			X	X	X	X	11	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	11/20/19 1630	Arcadis			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☒ Yes △ No

Custody Seal No.: 1201679 / 1201678

Cooler Temperature(s) °C and Other Remarks: 2.8/2.9 TUOG

Ver: 01/16/2019

Eurofins TestAmerica, Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone (813) 885-7427 Fax (813) 885-7049

Chain of Custody Record

242 - Ft Lauderdale

eurofins Environment Testing TestAmerica

Client Information	Sampler: Brian Fox	Lab PM: McDaniel, Bethany A	Carrier Tracking No(s):	COC No: 660-89060-25068.4
Client Contact: ~~Mr. Brian Fox~~ John Perella	Phone: 561-866-2747	E-Mail: bethany.mcdaniel@testamericainc.com		Page: Page 4 of 4
Company: ARCADIS U.S. Inc				Job #:
Address: 1500 Gateway Blvd Suite 200	Due Date Requested:			
City: Boynton Beach	TAT Requested (days): STANDARD			
State, Zip: FL, 33426				
Phone: 804-530-6211(Tel)	PO #: 4400038537			
Email:	WO #:			
Project Name: Solitron MWs	Project #: 66002759			
Site: Florida	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - VOCs	RSK_175 - Diss Gasses (MEE)	SM5310_TOC_B - Total Organic Carbon	SUBCONTRACT - Carbon Dioxide sub to Microseeps (Pace)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	A	S	N		
Duplicate-1	11-20-19	1200	G	Water			X	X	X	X	11	
				Water								
				Water								
				Water								
				Water								
				Water								
TRIP BLANK 1	11-20-19	1545	G	Water			X				2	
TRIP BLANK 2	11-20-19	1550	G	Water			X				2	
TRIP BLANK 3				Water								
				Water								
				Water								

Possible Hazard Identification
☑ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	11/20/19 1630	Arcadis			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☒ Yes △ No

Custody Seal No.: 120 1679 / 1201678

Cooler Temperature(s) °C and Other Remarks: 2.8/2.9 EUDA

Ver: 01/16/2019

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912-354-7858 Fax: 912-352-0165

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information (Sub Contract Lab)	Sampler:	Lab PM: McDaniel, Bethany A	Carrier Tracking No(s):	COC No: 680-591579.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: bethany.mcdaniel@testamericainc.com	State of Origin: Florida	Page: Page 1 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Florida		Job #: 660-98981-1
Address: 3355 McLemore Drive, ,	Due Date Requested: 11/27/2019			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32514				
Phone: 850-474-1001(Tel) 850-478-2671(Fax)	PO #:			
Email:	WO #:			
Project Name: Solitron 11/18-11/20	Project #: 66002759			
Site: Solitron - Boca Raton	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	RSK_175/ MEE (Dissolved Gases)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-1B (115-125) (660-98981-1)	11/19/19	14:54 Eastern		Water			X	3	
MW-1C (142-152) (660-98981-2)	11/19/19	15:29 Eastern		Water			X	3	
MW-1D (200-210) (660-98981-3)	11/20/19	09:27 Eastern		Water			X	3	
MW-1E (220-230) (660-98981-4)	11/20/19	10:51 Eastern		Water			X	3	
MW-1F (280-290) (660-98981-5)	11/20/19	12:54 Eastern		Water			X	3	
MW-3B (115-125) (660-98981-6)	11/19/19	12:36 Eastern		Water			X	3	
MW-3C (179-209) (660-98981-7)	11/19/19	12:00 Eastern		Water			X	3	
MW-4B (117-127) (660-98981-8)	11/19/19	13:30 Eastern		Water			X	3	
MW-4C (142-52) (660-98981-9)	11/19/19	14:07 Eastern		Water			X	3	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	11.26.19 1423		[signature]	11/27/19 920	TAREW
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.6°C IR7

Ver: 01/16/2019

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912-354-7858 Fax: 912-352-0165

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information (Sub Contract Lab)	Sampler:	Lab PM: McDaniel, Bethany A	Carrier Tracking No(s):	COC No: 680-591579.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: bethany.mcdaniel@testamericainc.com	State of Origin: Florida	Page: Page 2 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Florida		Job #: 660-98981-1
Address: 3355 McLemore Drive, .	Due Date Requested: 11/27/2019			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32514				
Phone: 850-474-1001(Tel) 850-478-2671(Fax)	PO #:			
Email:	WO #:			
Project Name: Solitron 11/18-11/20	Project #: 66002759			
Site: Solitron - Boca Raton	SSOW#:			

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	RSK_175/ MEE (Dissolved Gases)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-12A (25-50) (660-98981-10)	11/19/19	09:04 Eastern		Water			X	3	
MW-12B (75-100) (660-98981-11)	11/19/19	10:04 Eastern		Water			X	3	
MW-13A (18.5-28.5) (660-98981-12)	11/18/19	14:39 Eastern		Water			X	3	
MW-13B (92-112) (660-98981-13)	11/18/19	15:44 Eastern		Water			X	3	
MW-13C (167-197) (660-98981-14)	11/18/19	17:24 Eastern		Water			X	3	
MW-14A (18.5-28.5) (660-98981-15)	11/18/19	10:28 Eastern		Water			X	3	
MW-14B (88.5-108.5) (660-98981-16)	11/18/19	12:28 Eastern		Water			X	3	
MW-14C (167-197) (660-98981-17)	11/18/19	14:10 Eastern		Water			X	3	
MW-20A (70-80) (660-98981-18)	11/20/19	13:41 Eastern		Water			X	3	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	11.26.19 1423		[signature]	11/27/19 920	TAPEN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.6°c IR7

Ver: 01/16/2019

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912-354-7858 Fax: 912-352-0165

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information (Sub Contract Lab)	Sampler:	Lab PM: McDaniel, Bethany A	Carrier Tracking No(s):	COC No: 680-591579.3
Client Contact: Shipping/Receiving	Phone:	E-Mail: bethany.mcdaniel@testamericainc.com	State of Origin: Florida	Page: Page 3 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Florida		Job #: 660-98981-1
Address: 3355 McLemore Drive,	Due Date Requested: 11/27/2019			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32514				
Phone: 850-474-1001(Tel) 850-478-2671(Fax)	PO #:			
Email:	WO #:			
Project Name: Solitron 11/18-11/20	Project #: 66002759			
Site: Solitron - Boca Raton	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	RSK_175/ MEE (Dissolved Gases)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-20B (125-135) (660-98981-19)	11/20/19	14:13 Eastern		Water			X	3	
MW-20C (225-235) (660-98981-20)	11/20/19	14:47 Eastern		Water			X	3	
Field Blank (660-98981-21)	11/18/19	10:00 Eastern		Water			X	3	
Field Blank (660-98981-22)	11/19/19	07:45 Eastern		Water			X	3	
Field Blank (660-98981-23)	11/20/19	07:30 Eastern		Water			X	3	
Duplicate-1 (660-98981-24)	11/20/19	12:00 Eastern		Water			X	3	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 11.26.19 1423	Company	Received by:	Date/Time: 11/27/19 920	Company TAPEN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 3.6° IR7		

Ver: 01/16/2019

Eurofins TestAmerica, Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone: 813-885-7427 Fax: 813-885-7049

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information (Sub Contract Lab)	Sampler:	Lab PM: McDaniel, Bethany A	Carrier Tracking No(s):	COC No: 660-118355.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: bethany.mcdaniel@testamericainc.com	State of Origin: Florida	Page: Page 1 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Florida		Job #: 660-98981-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 11/27/2019			
City: Savannah	TAT Requested (days):			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: Solitron 11/18-11/20	Project #: 66002759			
Site: Solitron - Boca Raton	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	RSK_175/ Methane, Ethane, & Ethene	SM5310_TOC_B/ TOC sub to Savannah	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MW-1B (115-125) (660-98981-1)	11/19/19	14:54 Eastern		Water			X	X	6	
MW-1C (142-152) (660-98981-2)	11/19/19	15:29 Eastern		Water			X	X	6	
MW-1D (200-210) (660-98981-3)	11/20/19	09:27 Eastern		Water			X	X	6	
MW-1E (220-230) (660-98981-4)	11/20/19	10:51 Eastern		Water			X	X	6	
MW-1F (280-290) (660-98981-5)	11/20/19	12:54 Eastern		Water			X	X	6	
MW-3B (115-125) (660-98981-6)	11/19/19	12:36 Eastern		Water			X	X	6	
MW-3C (179-209) (660-98981-7)	11/19/19	12:00 Eastern		Water			X	X	6	
MW-4B (117-127) (660-98981-8)	11/19/19	13:30 Eastern		Water			X	X	6	
MW-4C (142-52) (660-98981-9)	11/19/19	14:07 Eastern		Water			X	X	6	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Riverton Sullivood	Date/Time: 11/25/19 1709	Company: Eurofins TA	Received by: [signature]	Date/Time: 11-26-19 710	Company: TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 2.1/2.2		

Ver: 01/16/2019

Eurofins TestAmerica, Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone: 813-885-7427 Fax: 813-885-7049

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information (Sub Contract Lab)	Sampler:	Lab PM: McDaniel, Bethany A	Carrier Tracking No(s):	COC No: 660-118355.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: bethany.mcdaniel@testamericainc.com	State of Origin: Florida	Page: Page 2 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Florida		Job #: 660-98981-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 11/27/2019			
City: Savannah	TAT Requested (days):			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: Solitron 11/18-11/20	Project #: 66002759			
Site: Solitron - Boca Raton	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	RSK_175/ Methane, Ethane, & Ethene	SM5310_TOC_B/ TOC sub to Savannah	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MW-12A (25-50) (660-98981-10)	11/19/19	09:04 Eastern		Water			X	X	6	
MW-12B (75-100) (660-98981-11)	11/19/19	10:04 Eastern		Water			X	X	6	
MW-13A (18.5-28.5) (660-98981-12)	11/18/19	14:39 Eastern		Water			X	X	6	
MW-13B (92-112) (660-98981-13)	11/18/19	15:44 Eastern		Water			X	X	6	
MW-13C (167-197) (660-98981-14)	11/18/19	17:24 Eastern		Water			X	X	6	
MW-14A (18.5-28.5) (660-98981-15)	11/18/19	10:28 Eastern		Water			X	X	6	
MW-14B (88.5-108.5) (660-98981-16)	11/18/19	12:28 Eastern		Water			X	X	6	
MW-14C (167-197) (660-98981-17)	11/18/19	14:10 Eastern		Water			X	X	6	
MW-20A (70-80) (660-98981-18)	11/20/19	13:41 Eastern		Water			X	X	6	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. I

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by: Kirsten Sullivan	Date/Time: 11/25/19 1709	Company: Eurofins TA	Received by:	Date/Time: 11-26-19 710	Company: TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 3.6/3.7		

Ver: 01/16/2019

Eurofins TestAmerica, Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone: 813-885-7427 Fax: 813-885-7049

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information (Sub Contract Lab)	Sampler:	Lab PM: McDaniel, Bethany A	Carrier Tracking No(s):	COC No: 660-118355.3
Client Contact: Shipping/Receiving	Phone:	E-Mail: bethany.mcdaniel@testamericainc.com	State of Origin: Florida	Page: Page 3 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Florida		Job #: 660-98981-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 11/27/2019			
City: Savannah	TAT Requested (days):			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: Solitron 11/18-11/20	Project #: 66002759			
Site: Solitron - Boca Raton	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	RSK_175/ Methane, Ethane, & Ethene	SM5310_TOC_B/ TOC sub to Savannah	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MW-20B (125-135) (660-98981-19)	11/20/19	14:13 Eastern		Water			X	X	6	
MW-20C (225-235) (660-98981-20)	11/20/19	14:47 Eastern		Water			X	X	6	
Field Blank (660-98981-21)	11/18/19	10:00 Eastern		Water			X	X	6	
Field Blank (660-98981-22)	11/19/19	07:45 Eastern		Water			X	X	6	
Field Blank (660-98981-23)	11/20/19	07:30 Eastern		Water			X	X	6	
Duplicate-1 (660-98981-24)	11/20/19	12:00 Eastern		Water			X	X	6	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. I

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:		
Relinquished by: Brenston Sallwood	Date/Time: 11/25/19 1709	Company: EurofinsTPA	Received by:	Date/Time: 11-26-19 710	Company: TA	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 2.1/2.2			

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Honeywell International Inc

Job Number: 660-98981-1

Login Number: 98981
List Number: 1
Creator: Redding, Charles S

List Source: Eurofins TestAmerica, Tampa

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Honeywell International Inc

Job Number: 660-98981-1

Login Number: 98981
List Number: 3
Creator: Treadaway, Kristen N

List Source: Eurofins TestAmerica, Pensacola
List Creation: 11/27/19 01:05 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.6°C IR-7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Honeywell International Inc

Job Number: 660-98981-1

Login Number: 98981
List Number: 2
Creator: Sims, Robert D

List Source: Eurofins TestAmerica, Savannah
List Creation: 11/26/19 10:58 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 660-99004-1
Client Project/Site: Solitron 11/21-11/22

For:
Honeywell International Inc
Remediation & Evaluation Services
115 Tabor Road
Morris Plains, New Jersey 07950

Attn: Prashant Gupta

Bethany McDaniel

Authorized for release by:
12/13/2019 1:16:27 PM

Bethany McDaniel, Senior Project Manager
(713)358-2005
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LINKS

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

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

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

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Sample Summary

Client: Honeywell International Inc
Project/Site: Solitron 11/21-11/22

Job ID: 660-99004-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
660-99004-1	MW-18A (70-80)	Water	11/22/19 10:10	11/23/19 09:15	
660-99004-2	MW-18B (150-160)	Water	11/22/19 10:49	11/23/19 09:15	
660-99004-3	MW-18C (245-255)	Water	11/22/19 11:31	11/23/19 09:15	
660-99004-4	MW-19A (60-70)	Water	11/21/19 11:08	11/23/19 09:15	
660-99004-5	MW-19B (135-145)	Water	11/21/19 11:44	11/23/19 09:15	
660-99004-6	MW-19C (170-180)	Water	11/21/19 12:26	11/23/19 09:15	
660-99004-7	MW-19D (225-265)	Water	11/21/19 14:44	11/23/19 09:15	
660-99004-8	MW-22A (60-70)	Water	11/21/19 08:53	11/23/19 09:15	
660-99004-9	MW-22B (135-145)	Water	11/21/19 09:39	11/23/19 09:15	
660-99004-10	MW-22C (230-240)	Water	11/21/19 10:14	11/23/19 09:15	
660-99004-11	Duplicate-2	Water	11/21/19 14:00	11/23/19 09:15	
660-99004-12	Field Blank	Water	11/21/19 08:00	11/23/19 09:15	
660-99004-13	Field Blank	Water	11/22/19 09:45	11/23/19 09:15	
660-99004-14	Influent	Water	11/22/19 12:40	11/23/19 09:15	
660-99004-15	Effluent	Water	11/22/19 12:50	11/23/19 09:15	
660-99004-16	Trip Blank 1	Water	11/22/19 14:30	11/23/19 09:15	

Job ID: 660-99004-1

Laboratory: Eurofins TestAmerica, Tampa

Narrative

Job Narrative
660-99004-1

Comments
No additional comments.

Receipt
The samples were received on 11/23/2019 9:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.1º C.

GC/MS VOA
Method 8260B: The following sample was diluted to bring the concentration of target analytes within the calibration range: Influent. Elevated reporting limits (RLs) are provided.

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

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

GC Semi VOA
Method RSK-175: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 400-468197.

Method RSK-175: The method blank contained Methane above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

Method RSK-175: The method blank for analytical batch 400-468197 contained Methane above the reporting limit (RL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

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

Subcontract non-Sister
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Qualifiers

GC/MS VOA

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

GC VOA

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected at or above the method detection limit in both the sample and the associated method blank and the value of 10 times the blank value was equal to or greater than the associated sample value.

General Chemistry

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

Glossary

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

Detection Summary

Client: Honeywell International Inc
Project/Site: Solitron 11/21-11/22

Job ID: 660-99004-1

Client Sample ID: MW-18A (70-80) — Lab Sample ID: 660-99004-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	4.1		1.0	0.50	ug/L	1		RSK-175	Total/NA
Total Organic Carbon	5.2		1.0	0.50	mg/L	1		5310 B-2011	Total/NA

Client Sample ID: MW-18B (150-160) — Lab Sample ID: 660-99004-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	1.8		1.0	0.26	ug/L	1		8260B	Total/NA
Methane	48		1.0	0.50	ug/L	1		RSK-175	Total/NA
Total Organic Carbon	4.2		1.0	0.50	mg/L	1		5310 B-2011	Total/NA

Client Sample ID: MW-18C (245-255) — Lab Sample ID: 660-99004-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	930		1.0	0.50	ug/L	1		RSK-175	Total/NA
Total Organic Carbon	3.1		1.0	0.50	mg/L	1		5310 B-2011	Total/NA

Client Sample ID: MW-19A (60-70) — Lab Sample ID: 660-99004-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	270		1.0	0.50	ug/L	1		RSK-175	Total/NA
Total Organic Carbon	8.0		1.0	0.50	mg/L	1		5310 B-2011	Total/NA

Client Sample ID: MW-19B (135-145) — Lab Sample ID: 660-99004-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	3.0		1.0	0.27	ug/L	1		8260B	Total/NA
1,2-Dichlorobenzene	3.3		1.0	0.24	ug/L	1		8260B	Total/NA
1,4-Dichlorobenzene	0.50	I	1.0	0.22	ug/L	1		8260B	Total/NA
Vinyl chloride	3.6		1.0	0.26	ug/L	1		8260B	Total/NA
Methane	82		1.0	0.50	ug/L	1		RSK-175	Total/NA
Total Organic Carbon	8.7		1.0	0.50	mg/L	1		5310 B-2011	Total/NA

Client Sample ID: MW-19C (170-180) — Lab Sample ID: 660-99004-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	0.50	I	1.0	0.27	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.83	I	1.0	0.32	ug/L	1		8260B	Total/NA
1,2-Dichlorobenzene	15		1.0	0.24	ug/L	1		8260B	Total/NA
1,4-Dichlorobenzene	0.71	I	1.0	0.22	ug/L	1		8260B	Total/NA
Vinyl chloride	3.7		1.0	0.26	ug/L	1		8260B	Total/NA
Methane	74		1.0	0.50	ug/L	1		RSK-175	Total/NA
Total Organic Carbon	6.2		1.0	0.50	mg/L	1		5310 B-2011	Total/NA

Client Sample ID: MW-19D (225-265) — Lab Sample ID: 660-99004-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	770		1.0	0.50	ug/L	1		RSK-175	Total/NA
Total Organic Carbon	3.1		1.0	0.50	mg/L	1		5310 B-2011	Total/NA

Client Sample ID: MW-22A (60-70) — Lab Sample ID: 660-99004-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	4.9		1.0	0.50	ug/L	1		RSK-175	Total/NA
Total Organic Carbon	9.9		1.0	0.50	mg/L	1		5310 B-2011	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Honeywell International Inc
Project/Site: Solitron 11/21-11/22

Job ID: 660-99004-1

Client Sample ID: MW-22B (135-145) — Lab Sample ID: 660-99004-9

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	15	V	1.0	0.50	ug/L	1		RSK-175	Total/NA
Total Organic Carbon	5.8		1.0	0.50	mg/L	1		5310 B-2011	Total/NA

Client Sample ID: MW-22C (230-240) — Lab Sample ID: 660-99004-10

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	1400		1.0	0.50	ug/L	1		RSK-175	Total/NA
Total Organic Carbon	3.5		1.0	0.50	mg/L	1		5310 B-2011	Total/NA

Client Sample ID: Duplicate-2 — Lab Sample ID: 660-99004-11

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.90	I	1.0	0.32	ug/L	1		8260B	Total/NA
1,2-Dichlorobenzene	15		1.0	0.24	ug/L	1		8260B	Total/NA
1,4-Dichlorobenzene	0.71	I	1.0	0.22	ug/L	1		8260B	Total/NA
Vinyl chloride	3.7		1.0	0.26	ug/L	1		8260B	Total/NA
Methane	79		1.0	0.50	ug/L	1		RSK-175	Total/NA
Total Organic Carbon	6.1		1.0	0.50	mg/L	1		5310 B-2011	Total/NA

Client Sample ID: Field Blank — Lab Sample ID: 660-99004-12

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	3.8		1.0	0.50	ug/L	1		RSK-175	Total/NA

Client Sample ID: Field Blank — Lab Sample ID: 660-99004-13

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	0.73	I V	1.0	0.50	ug/L	1		RSK-175	Total/NA

Client Sample ID: Influent — Lab Sample ID: 660-99004-14

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	9.5		2.0	0.50	ug/L	2		8260B	Total/NA
Chlorobenzene	100		2.0	0.53	ug/L	2		8260B	Total/NA
1,2-Dichlorobenzene	24		2.0	0.48	ug/L	2		8260B	Total/NA
1,4-Dichlorobenzene	2.2		2.0	0.45	ug/L	2		8260B	Total/NA
1,1-Dichloroethene	2.1		2.0	0.52	ug/L	2		8260B	Total/NA
Ethylbenzene	3.6		2.0	0.54	ug/L	2		8260B	Total/NA
trans-1,2-Dichloroethene	4.4		4.0	0.78	ug/L	2		8260B	Total/NA
Trichloroethene	14		4.0	1.2	ug/L	2		8260B	Total/NA
Xylenes, Total	7.0	I	8.0	1.0	ug/L	2		8260B	Total/NA
cis-1,2-Dichloroethene - DL	590		20	6.5	ug/L	20		8260B	Total/NA
Vinyl chloride - DL	290		20	5.1	ug/L	20		8260B	Total/NA

Client Sample ID: Effluent — Lab Sample ID: 660-99004-15

No Detections.

Client Sample ID: Trip Blank 1 — Lab Sample ID: 660-99004-16

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Honeywell International Inc
Project/Site: Solitron 11/21-11/22

Job ID: 660-99004-1

Client Sample ID: MW-18A (70-80)

Lab Sample ID: 660-99004-1
Matrix: Water

Date Collected: 11/22/19 10:10
Date Received: 11/23/19 09:15

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			12/05/19 10:32	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			12/05/19 10:32	1
Chloroform	0.29	U	1.0	0.29	ug/L			12/05/19 10:32	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			12/05/19 10:32	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			12/05/19 10:32	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			12/05/19 10:32	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			12/05/19 10:32	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			12/05/19 10:32	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			12/05/19 10:32	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			12/05/19 10:32	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			12/05/19 10:32	1
Toluene	0.24	U	1.0	0.24	ug/L			12/05/19 10:32	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			12/05/19 10:32	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			12/05/19 10:32	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			12/05/19 10:32	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			12/05/19 10:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*70 - 130*		*12/05/19 10:32*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*12/05/19 10:32*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*12/05/19 10:32*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**4.1**		1.0	0.50	ug/L			12/03/19 12:00	1
Ethane	0.75	U	1.0	0.75	ug/L			12/03/19 12:00	1
Ethylene	0.55	U	1.0	0.55	ug/L			12/03/19 12:00	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**5.2**		1.0	0.50	mg/L			11/27/19 11:19	1

Client Sample ID: MW-18B (150-160)

Lab Sample ID: 660-99004-2
Matrix: Water

Date Collected: 11/22/19 10:49
Date Received: 11/23/19 09:15

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			12/05/19 10:52	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			12/05/19 10:52	1
Chloroform	0.29	U	1.0	0.29	ug/L			12/05/19 10:52	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			12/05/19 10:52	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			12/05/19 10:52	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			12/05/19 10:52	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			12/05/19 10:52	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			12/05/19 10:52	1
1,1-Dichloroethene	**1.8**		1.0	0.26	ug/L			12/05/19 10:52	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			12/05/19 10:52	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			12/05/19 10:52	1
Toluene	0.24	U	1.0	0.24	ug/L			12/05/19 10:52	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			12/05/19 10:52	1

Client Sample ID: MW-18B (150-160)

Lab Sample ID: 660-99004-2
Date Collected: 11/22/19 10:49
Matrix: Water
Date Received: 11/23/19 09:15

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.61	U	2.0	0.61	ug/L			12/05/19 10:52	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			12/05/19 10:52	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			12/05/19 10:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*70 - 130*		*12/05/19 10:52*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*12/05/19 10:52*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*12/05/19 10:52*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**48**		1.0	0.50	ug/L			12/02/19 11:30	1
Ethane	0.75	U	1.0	0.75	ug/L			12/02/19 11:30	1
Ethylene	0.55	U	1.0	0.55	ug/L			12/02/19 11:30	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**4.2**		1.0	0.50	mg/L			11/27/19 12:12	1

Client Sample ID: MW-18C (245-255)

Lab Sample ID: 660-99004-3
Date Collected: 11/22/19 11:31
Matrix: Water
Date Received: 11/23/19 09:15

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			12/05/19 13:11	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			12/05/19 13:11	1
Chloroform	0.29	U	1.0	0.29	ug/L			12/05/19 13:11	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			12/05/19 13:11	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			12/05/19 13:11	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			12/05/19 13:11	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			12/05/19 13:11	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			12/05/19 13:11	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			12/05/19 13:11	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			12/05/19 13:11	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			12/05/19 13:11	1
Toluene	0.24	U	1.0	0.24	ug/L			12/05/19 13:11	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			12/05/19 13:11	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			12/05/19 13:11	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			12/05/19 13:11	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			12/05/19 13:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*70 - 130*		*12/05/19 13:11*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*12/05/19 13:11*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*12/05/19 13:11*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**930**		1.0	0.50	ug/L			12/02/19 11:40	1
Ethane	0.75	U	1.0	0.75	ug/L			12/02/19 11:40	1

Client Sample ID: MW-18C (245-255)

Lab Sample ID: 660-99004-3
Date Collected: 11/22/19 11:31
Matrix: Water
Date Received: 11/23/19 09:15

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene	0.55	U	1.0	0.55	ug/L			12/02/19 11:40	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**3.1**		1.0	0.50	mg/L			11/27/19 12:30	1

Client Sample ID: MW-19A (60-70)

Lab Sample ID: 660-99004-4
Date Collected: 11/21/19 11:08
Matrix: Water
Date Received: 11/23/19 09:15

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			12/04/19 17:36	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			12/04/19 17:36	1
Chloroform	0.29	U	1.0	0.29	ug/L			12/04/19 17:36	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			12/04/19 17:36	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			12/04/19 17:36	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			12/04/19 17:36	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			12/04/19 17:36	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			12/04/19 17:36	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			12/04/19 17:36	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			12/04/19 17:36	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			12/04/19 17:36	1
Toluene	0.24	U	1.0	0.24	ug/L			12/04/19 17:36	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			12/04/19 17:36	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			12/04/19 17:36	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			12/04/19 17:36	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			12/04/19 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*70 - 130*		*12/04/19 17:36*	*1*
Dibromofluoromethane	*104*		*70 - 130*		*12/04/19 17:36*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*12/04/19 17:36*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**270**		1.0	0.50	ug/L			12/02/19 11:49	1
Ethane	0.75	U	1.0	0.75	ug/L			12/02/19 11:49	1
Ethylene	0.55	U	1.0	0.55	ug/L			12/02/19 11:49	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**8.0**		1.0	0.50	mg/L			11/27/19 12:47	1

Client Sample ID: MW-19B (135-145)

Lab Sample ID: 660-99004-5
Date Collected: 11/21/19 11:44
Matrix: Water
Date Received: 11/23/19 09:15

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			12/04/19 19:35	1

Client Sample ID: MW-19B (135-145)

Lab Sample ID: 660-99004-5
Matrix: Water
Date Collected: 11/21/19 11:44
Date Received: 11/23/19 09:15

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	**3.0**		1.0	0.27	ug/L			12/04/19 19:35	1
Chloroform	0.29	U	1.0	0.29	ug/L			12/04/19 19:35	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			12/04/19 19:35	1
1,2-Dichlorobenzene	**3.3**		1.0	0.24	ug/L			12/04/19 19:35	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			12/04/19 19:35	1
1,4-Dichlorobenzene	**0.50**	**I**	1.0	0.22	ug/L			12/04/19 19:35	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			12/04/19 19:35	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			12/04/19 19:35	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			12/04/19 19:35	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			12/04/19 19:35	1
Toluene	0.24	U	1.0	0.24	ug/L			12/04/19 19:35	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			12/04/19 19:35	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			12/04/19 19:35	1
Vinyl chloride	**3.6**		1.0	0.26	ug/L			12/04/19 19:35	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			12/04/19 19:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*70 - 130*		*12/04/19 19:35*	*1*
Dibromofluoromethane	*104*		*70 - 130*		*12/04/19 19:35*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*12/04/19 19:35*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**82**		1.0	0.50	ug/L			12/02/19 12:03	1
Ethane	0.75	U	1.0	0.75	ug/L			12/02/19 12:03	1
Ethylene	0.55	U	1.0	0.55	ug/L			12/02/19 12:03	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**8.7**		1.0	0.50	mg/L			11/27/19 13:04	1

Client Sample ID: MW-19C (170-180)

Lab Sample ID: 660-99004-6
Matrix: Water
Date Collected: 11/21/19 12:26
Date Received: 11/23/19 09:15

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			12/04/19 19:55	1
Chlorobenzene	**0.50**	**I**	1.0	0.27	ug/L			12/04/19 19:55	1
Chloroform	0.29	U	1.0	0.29	ug/L			12/04/19 19:55	1
cis-1,2-Dichloroethene	**0.83**	**I**	1.0	0.32	ug/L			12/04/19 19:55	1
1,2-Dichlorobenzene	**15**		1.0	0.24	ug/L			12/04/19 19:55	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			12/04/19 19:55	1
1,4-Dichlorobenzene	**0.71**	**I**	1.0	0.22	ug/L			12/04/19 19:55	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			12/04/19 19:55	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			12/04/19 19:55	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			12/04/19 19:55	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			12/04/19 19:55	1
Toluene	0.24	U	1.0	0.24	ug/L			12/04/19 19:55	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			12/04/19 19:55	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			12/04/19 19:55	1

Client Sample ID: MW-19C (170-180)

Lab Sample ID: 660-99004-6
Date Collected: 11/21/19 12:26
Matrix: Water
Date Received: 11/23/19 09:15

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**3.7**		1.0	0.26	ug/L			12/04/19 19:55	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			12/04/19 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*70 - 130*		*12/04/19 19:55*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*12/04/19 19:55*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*12/04/19 19:55*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**74**		1.0	0.50	ug/L			12/02/19 12:13	1
Ethane	0.75	U	1.0	0.75	ug/L			12/02/19 12:13	1
Ethylene	0.55	U	1.0	0.55	ug/L			12/02/19 12:13	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**6.2**		1.0	0.50	mg/L			11/27/19 13:22	1

Client Sample ID: MW-19D (225-265)

Lab Sample ID: 660-99004-7
Date Collected: 11/21/19 14:44
Matrix: Water
Date Received: 11/23/19 09:15

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			12/04/19 20:14	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			12/04/19 20:14	1
Chloroform	0.29	U	1.0	0.29	ug/L			12/04/19 20:14	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			12/04/19 20:14	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			12/04/19 20:14	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			12/04/19 20:14	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			12/04/19 20:14	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			12/04/19 20:14	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			12/04/19 20:14	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			12/04/19 20:14	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			12/04/19 20:14	1
Toluene	0.24	U	1.0	0.24	ug/L			12/04/19 20:14	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			12/04/19 20:14	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			12/04/19 20:14	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			12/04/19 20:14	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			12/04/19 20:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*70 - 130*		*12/04/19 20:14*	*1*
Dibromofluoromethane	*104*		*70 - 130*		*12/04/19 20:14*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*12/04/19 20:14*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**770**		1.0	0.50	ug/L			12/02/19 12:37	1
Ethane	0.75	U	1.0	0.75	ug/L			12/02/19 12:37	1
Ethylene	0.55	U	1.0	0.55	ug/L			12/02/19 12:37	1

Client Sample ID: MW-19D (225-265)

Lab Sample ID: 660-99004-7
Date Collected: 11/21/19 14:44
Matrix: Water
Date Received: 11/23/19 09:15

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**3.1**		1.0	0.50	mg/L			11/27/19 13:41	1

Client Sample ID: MW-22A (60-70)

Lab Sample ID: 660-99004-8
Date Collected: 11/21/19 08:53
Matrix: Water
Date Received: 11/23/19 09:15

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			12/04/19 20:34	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			12/04/19 20:34	1
Chloroform	0.29	U	1.0	0.29	ug/L			12/04/19 20:34	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			12/04/19 20:34	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			12/04/19 20:34	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			12/04/19 20:34	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			12/04/19 20:34	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			12/04/19 20:34	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			12/04/19 20:34	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			12/04/19 20:34	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			12/04/19 20:34	1
Toluene	0.24	U	1.0	0.24	ug/L			12/04/19 20:34	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			12/04/19 20:34	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			12/04/19 20:34	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			12/04/19 20:34	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			12/04/19 20:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*70 - 130*		*12/04/19 20:34*	*1*
Dibromofluoromethane	*104*		*70 - 130*		*12/04/19 20:34*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*12/04/19 20:34*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**4.9**		1.0	0.50	ug/L			12/03/19 12:10	1
Ethane	0.75	U	1.0	0.75	ug/L			12/03/19 12:10	1
Ethylene	0.55	U	1.0	0.55	ug/L			12/03/19 12:10	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**9.9**		1.0	0.50	mg/L			11/27/19 18:30	1

Client Sample ID: MW-22B (135-145)

Lab Sample ID: 660-99004-9
Date Collected: 11/21/19 09:39
Matrix: Water
Date Received: 11/23/19 09:15

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			12/04/19 20:54	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			12/04/19 20:54	1
Chloroform	0.29	U	1.0	0.29	ug/L			12/04/19 20:54	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			12/04/19 20:54	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			12/04/19 20:54	1

Client Sample ID: MW-22B (135-145)

Lab Sample ID: 660-99004-9

Date Collected: 11/21/19 09:39
Matrix: Water
Date Received: 11/23/19 09:15

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			12/04/19 20:54	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			12/04/19 20:54	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			12/04/19 20:54	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			12/04/19 20:54	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			12/04/19 20:54	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			12/04/19 20:54	1
Toluene	0.24	U	1.0	0.24	ug/L			12/04/19 20:54	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			12/04/19 20:54	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			12/04/19 20:54	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			12/04/19 20:54	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			12/04/19 20:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*70 - 130*		*12/04/19 20:54*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*12/04/19 20:54*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*12/04/19 20:54*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**15**	**V**	1.0	0.50	ug/L			12/02/19 13:16	1
Ethane	0.75	U	1.0	0.75	ug/L			12/02/19 13:16	1
Ethylene	0.55	U	1.0	0.55	ug/L			12/02/19 13:16	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**5.8**		1.0	0.50	mg/L			11/27/19 19:25	1

Client Sample ID: MW-22C (230-240)

Lab Sample ID: 660-99004-10

Date Collected: 11/21/19 10:14
Matrix: Water
Date Received: 11/23/19 09:15

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			12/04/19 21:14	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			12/04/19 21:14	1
Chloroform	0.29	U	1.0	0.29	ug/L			12/04/19 21:14	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			12/04/19 21:14	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			12/04/19 21:14	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			12/04/19 21:14	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			12/04/19 21:14	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			12/04/19 21:14	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			12/04/19 21:14	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			12/04/19 21:14	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			12/04/19 21:14	1
Toluene	0.24	U	1.0	0.24	ug/L			12/04/19 21:14	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			12/04/19 21:14	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			12/04/19 21:14	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			12/04/19 21:14	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			12/04/19 21:14	1

Client Sample ID: MW-22C (230-240)

Lab Sample ID: 660-99004-10

Date Collected: 11/21/19 10:14
Matrix: Water
Date Received: 11/23/19 09:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	*90*		*70 - 130*		*12/04/19 21:14*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*12/04/19 21:14*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*12/04/19 21:14*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**1400**		1.0	0.50	ug/L			12/02/19 13:26	1
Ethane	0.75	U	1.0	0.75	ug/L			12/02/19 13:26	1
Ethylene	0.55	U	1.0	0.55	ug/L			12/02/19 13:26	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**3.5**		1.0	0.50	mg/L			11/27/19 19:44	1

Client Sample ID: Duplicate-2

Lab Sample ID: 660-99004-11

Date Collected: 11/21/19 14:00
Matrix: Water
Date Received: 11/23/19 09:15

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			12/04/19 21:34	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			12/04/19 21:34	1
Chloroform	0.29	U	1.0	0.29	ug/L			12/04/19 21:34	1
cis-1,2-Dichloroethene	**0.90**	**I**	1.0	0.32	ug/L			12/04/19 21:34	1
1,2-Dichlorobenzene	**15**		1.0	0.24	ug/L			12/04/19 21:34	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			12/04/19 21:34	1
1,4-Dichlorobenzene	**0.71**	**I**	1.0	0.22	ug/L			12/04/19 21:34	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			12/04/19 21:34	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			12/04/19 21:34	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			12/04/19 21:34	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			12/04/19 21:34	1
Toluene	0.24	U	1.0	0.24	ug/L			12/04/19 21:34	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			12/04/19 21:34	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			12/04/19 21:34	1
Vinyl chloride	**3.7**		1.0	0.26	ug/L			12/04/19 21:34	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			12/04/19 21:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	*89*		*70 - 130*		*12/04/19 21:34*	*1*
Dibromofluoromethane	*104*		*70 - 130*		*12/04/19 21:34*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*12/04/19 21:34*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**79**		1.0	0.50	ug/L			12/02/19 13:36	1
Ethane	0.75	U	1.0	0.75	ug/L			12/02/19 13:36	1
Ethylene	0.55	U	1.0	0.55	ug/L			12/02/19 13:36	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**6.1**		1.0	0.50	mg/L			11/27/19 20:03	1

Client Sample ID: Field Blank

Lab Sample ID: 660-99004-12

Date Collected: 11/21/19 08:00
Matrix: Water
Date Received: 11/23/19 09:15

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			12/04/19 19:15	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			12/04/19 19:15	1
Chloroform	0.29	U	1.0	0.29	ug/L			12/04/19 19:15	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			12/04/19 19:15	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			12/04/19 19:15	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			12/04/19 19:15	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			12/04/19 19:15	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			12/04/19 19:15	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			12/04/19 19:15	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			12/04/19 19:15	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			12/04/19 19:15	1
Toluene	0.24	U	1.0	0.24	ug/L			12/04/19 19:15	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			12/04/19 19:15	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			12/04/19 19:15	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			12/04/19 19:15	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			12/04/19 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*70 - 130*		*12/04/19 19:15*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*12/04/19 19:15*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*12/04/19 19:15*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**3.8**		1.0	0.50	ug/L			12/03/19 12:19	1
Ethane	0.75	U	1.0	0.75	ug/L			12/03/19 12:19	1
Ethylene	0.55	U	1.0	0.55	ug/L			12/03/19 12:19	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.50	U	1.0	0.50	mg/L			11/27/19 20:21	1

Client Sample ID: Field Blank

Lab Sample ID: 660-99004-13

Date Collected: 11/22/19 09:45
Matrix: Water
Date Received: 11/23/19 09:15

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			12/05/19 12:31	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			12/05/19 12:31	1
Chloroform	0.29	U	1.0	0.29	ug/L			12/05/19 12:31	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			12/05/19 12:31	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			12/05/19 12:31	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			12/05/19 12:31	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			12/05/19 12:31	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			12/05/19 12:31	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			12/05/19 12:31	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			12/05/19 12:31	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			12/05/19 12:31	1
Toluene	0.24	U	1.0	0.24	ug/L			12/05/19 12:31	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			12/05/19 12:31	1

Client Sample Results

Client: Honeywell International Inc
Project/Site: Solitron 11/21-11/22

Job ID: 660-99004-1

Client Sample ID: Field Blank

Lab Sample ID: 660-99004-13
Matrix: Water
Date Collected: 11/22/19 09:45
Date Received: 11/23/19 09:15

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.61	U	2.0	0.61	ug/L			12/05/19 12:31	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			12/05/19 12:31	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			12/05/19 12:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*70 - 130*		*12/05/19 12:31*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*12/05/19 12:31*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*12/05/19 12:31*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**0.73**	**I V**	1.0	0.50	ug/L			12/02/19 14:49	1
Ethane	0.75	U	1.0	0.75	ug/L			12/02/19 14:49	1
Ethylene	0.55	U	1.0	0.55	ug/L			12/02/19 14:49	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.50	U	1.0	0.50	mg/L			11/27/19 20:36	1

Client Sample ID: Influent

Lab Sample ID: 660-99004-14
Matrix: Water
Date Collected: 11/22/19 12:40
Date Received: 11/23/19 09:15

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**9.5**		2.0	0.50	ug/L			12/05/19 13:51	2
Chlorobenzene	**100**		2.0	0.53	ug/L			12/05/19 13:51	2
Chloroform	0.57	U	2.0	0.57	ug/L			12/05/19 13:51	2
1,2-Dichlorobenzene	**24**		2.0	0.48	ug/L			12/05/19 13:51	2
1,3-Dichlorobenzene	0.52	U	2.0	0.52	ug/L			12/05/19 13:51	2
1,4-Dichlorobenzene	**2.2**		2.0	0.45	ug/L			12/05/19 13:51	2
1,1-Dichloroethane	0.63	U	2.0	0.63	ug/L			12/05/19 13:51	2
1,1-Dichloroethene	**2.1**		2.0	0.52	ug/L			12/05/19 13:51	2
Ethylbenzene	**3.6**		2.0	0.54	ug/L			12/05/19 13:51	2
Tetrachloroethene	1.0	U	4.0	1.0	ug/L			12/05/19 13:51	2
Toluene	0.48	U	2.0	0.48	ug/L			12/05/19 13:51	2
trans-1,2-Dichloroethene	**4.4**		4.0	0.78	ug/L			12/05/19 13:51	2
Trichloroethene	**14**		4.0	1.2	ug/L			12/05/19 13:51	2
Xylenes, Total	**7.0**	**I**	8.0	1.0	ug/L			12/05/19 13:51	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*70 - 130*		*12/05/19 13:51*	*2*
Dibromofluoromethane	*98*		*70 - 130*		*12/05/19 13:51*	*2*
Toluene-d8 (Surr)	*103*		*70 - 130*		*12/05/19 13:51*	*2*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**590**		20	6.5	ug/L			12/05/19 13:31	20
Vinyl chloride	**290**		20	5.1	ug/L			12/05/19 13:31	20

Client Sample Results

Client: Honeywell International Inc
Project/Site: Solitron 11/21-11/22

Job ID: 660-99004-1

Client Sample ID: Influent

Lab Sample ID: 660-99004-14
Date Collected: 11/22/19 12:40
Matrix: Water
Date Received: 11/23/19 09:15

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*70 - 130*		*12/05/19 13:31*	*20*
Dibromofluoromethane	*101*		*70 - 130*		*12/05/19 13:31*	*20*
Toluene-d8 (Surr)	*102*		*70 - 130*		*12/05/19 13:31*	*20*

Client Sample ID: Effluent

Lab Sample ID: 660-99004-15
Date Collected: 11/22/19 12:50
Matrix: Water
Date Received: 11/23/19 09:15

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			12/05/19 12:51	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			12/05/19 12:51	1
Chloroform	0.29	U	1.0	0.29	ug/L			12/05/19 12:51	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			12/05/19 12:51	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			12/05/19 12:51	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			12/05/19 12:51	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			12/05/19 12:51	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			12/05/19 12:51	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			12/05/19 12:51	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			12/05/19 12:51	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			12/05/19 12:51	1
Toluene	0.24	U	1.0	0.24	ug/L			12/05/19 12:51	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			12/05/19 12:51	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			12/05/19 12:51	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			12/05/19 12:51	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			12/05/19 12:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*70 - 130*		*12/05/19 12:51*	*1*
Dibromofluoromethane	*104*		*70 - 130*		*12/05/19 12:51*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*12/05/19 12:51*	*1*

Client Sample ID: Trip Blank 1

Lab Sample ID: 660-99004-16
Date Collected: 11/22/19 14:30
Matrix: Water
Date Received: 11/23/19 09:15

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			12/05/19 12:11	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			12/05/19 12:11	1
Chloroform	0.29	U	1.0	0.29	ug/L			12/05/19 12:11	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			12/05/19 12:11	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			12/05/19 12:11	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			12/05/19 12:11	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			12/05/19 12:11	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			12/05/19 12:11	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			12/05/19 12:11	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			12/05/19 12:11	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			12/05/19 12:11	1
Toluene	0.24	U	1.0	0.24	ug/L			12/05/19 12:11	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			12/05/19 12:11	1

Client Sample Results

Client: Honeywell International Inc
Project/Site: Solitron 11/21-11/22

Job ID: 660-99004-1

Client Sample ID: Trip Blank 1

Lab Sample ID: 660-99004-16

Date Collected: 11/22/19 14:30
Matrix: Water
Date Received: 11/23/19 09:15

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.61	U	2.0	0.61	ug/L			12/05/19 12:11	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			12/05/19 12:11	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			12/05/19 12:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*70 - 130*		*12/05/19 12:11*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*12/05/19 12:11*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*12/05/19 12:11*	*1*

QC Sample Results

Client: Honeywell International Inc
Project/Site: Solitron 11/21-11/22

Job ID: 660-99004-1

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

Lab Sample ID: MB 660-219129/17
Matrix: Water
Analysis Batch: 219129

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			12/04/19 17:08	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			12/04/19 17:08	1
Chloroform	0.29	U	1.0	0.29	ug/L			12/04/19 17:08	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			12/04/19 17:08	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			12/04/19 17:08	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			12/04/19 17:08	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			12/04/19 17:08	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			12/04/19 17:08	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			12/04/19 17:08	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			12/04/19 17:08	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			12/04/19 17:08	1
Toluene	0.24	U	1.0	0.24	ug/L			12/04/19 17:08	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			12/04/19 17:08	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			12/04/19 17:08	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			12/04/19 17:08	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			12/04/19 17:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*70 - 130*		*12/04/19 17:08*	*1*
Dibromofluoromethane	*104*		*70 - 130*		*12/04/19 17:08*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*12/04/19 17:08*	*1*

Lab Sample ID: LCS 660-219129/14
Matrix: Water
Analysis Batch: 219129

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	10.0	9.99		ug/L		100	66 - 131
Chlorobenzene	10.0	10.0		ug/L		100	67 - 130
Chloroform	10.0	9.76		ug/L		98	77 - 119
cis-1,2-Dichloroethene	10.0	10.3		ug/L		103	69 - 133
1,2-Dichlorobenzene	10.0	9.34		ug/L		93	69 - 133
1,3-Dichlorobenzene	10.0	9.52		ug/L		95	68 - 130
1,4-Dichlorobenzene	10.0	9.62		ug/L		96	69 - 133
1,1-Dichloroethane	10.0	9.94		ug/L		99	68 - 130
1,1-Dichloroethene	10.0	11.4		ug/L		114	62 - 133
Ethylbenzene	10.0	9.86		ug/L		99	77 - 117
Tetrachloroethene	10.0	10.1		ug/L		101	59 - 130
Toluene	10.0	9.65		ug/L		97	71 - 119
trans-1,2-Dichloroethene	10.0	10.4		ug/L		104	67 - 130
Trichloroethene	10.0	9.82		ug/L		98	65 - 130
Vinyl chloride	10.0	9.43		ug/L		94	59 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*95*		*70 - 130*
Dibromofluoromethane	*101*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

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

Lab Sample ID: 660-98998-C-1 MS
Matrix: Water
Analysis Batch: 219129

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.25	U	10.0	11.0		ug/L		110	66 - 131
Chlorobenzene	0.27	U	10.0	11.1		ug/L		111	67 - 130
Chloroform	16		10.0	25.8		ug/L		94	77 - 119
cis-1,2-Dichloroethene	0.32	U	10.0	11.2		ug/L		112	69 - 133
1,2-Dichlorobenzene	0.24	U	10.0	10.2		ug/L		102	69 - 133
1,3-Dichlorobenzene	0.26	U	10.0	10.5		ug/L		105	68 - 130
1,4-Dichlorobenzene	0.22	U	10.0	10.7		ug/L		107	69 - 133
1,1-Dichloroethane	0.32	U	10.0	11.1		ug/L		111	68 - 130
1,1-Dichloroethene	0.26	U	10.0	12.2		ug/L		122	62 - 133
Ethylbenzene	0.27	U	10.0	11.2		ug/L		112	77 - 117
Tetrachloroethene	0.50	U	10.0	11.6		ug/L		116	59 - 130
Toluene	0.24	U	10.0	10.9		ug/L		109	71 - 119
trans-1,2-Dichloroethene	0.39	U	10.0	11.2		ug/L		112	67 - 130
Trichloroethene	0.61	U	10.0	11.4		ug/L		114	65 - 130
Vinyl chloride	0.26	U	10.0	10.1		ug/L		101	59 - 130

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

Lab Sample ID: 660-99004-4 DU
Matrix: Water
Analysis Batch: 219129

Client Sample ID: MW-19A (60-70)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Benzene	0.25	U	0.25	U	ug/L		NC	30
Chlorobenzene	0.27	U	0.27	U	ug/L		NC	30
Chloroform	0.29	U	0.29	U	ug/L		NC	30
cis-1,2-Dichloroethene	0.32	U	0.32	U	ug/L		NC	30
1,2-Dichlorobenzene	0.24	U	0.24	U	ug/L		NC	30
1,3-Dichlorobenzene	0.26	U	0.26	U	ug/L		NC	30
1,4-Dichlorobenzene	0.22	U	0.22	U	ug/L		NC	30
1,1-Dichloroethane	0.32	U	0.32	U	ug/L		NC	30
1,1-Dichloroethene	0.26	U	0.26	U	ug/L		NC	30
Ethylbenzene	0.27	U	0.27	U	ug/L		NC	30
Tetrachloroethene	0.50	U	0.50	U	ug/L		NC	30
Toluene	0.24	U	0.24	U	ug/L		NC	30
trans-1,2-Dichloroethene	0.39	U	0.39	U	ug/L		NC	30
Trichloroethene	0.61	U	0.61	U	ug/L		NC	30
Vinyl chloride	0.26	U	0.26	U	ug/L		NC	30
Xylenes, Total	0.50	U	0.50	U	ug/L		NC	30

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene	*92*		*70 - 130*
Dibromofluoromethane	*103*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

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

Lab Sample ID: MB 660-219172/7
Matrix: Water
Analysis Batch: 219172

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			12/05/19 10:00	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			12/05/19 10:00	1
Chloroform	0.29	U	1.0	0.29	ug/L			12/05/19 10:00	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			12/05/19 10:00	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			12/05/19 10:00	1
1,3-Dichlorobenzene	0.26	U	1.0	0.26	ug/L			12/05/19 10:00	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			12/05/19 10:00	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			12/05/19 10:00	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			12/05/19 10:00	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			12/05/19 10:00	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			12/05/19 10:00	1
Toluene	0.24	U	1.0	0.24	ug/L			12/05/19 10:00	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			12/05/19 10:00	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			12/05/19 10:00	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			12/05/19 10:00	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			12/05/19 10:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*70 - 130*		*12/05/19 10:00*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*12/05/19 10:00*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*12/05/19 10:00*	*1*

Lab Sample ID: LCS 660-219172/5
Matrix: Water
Analysis Batch: 219172

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	10.0	9.61		ug/L		96	66 - 131
Chlorobenzene	10.0	10.5		ug/L		105	67 - 130
Chloroform	10.0	9.83		ug/L		98	77 - 119
cis-1,2-Dichloroethene	10.0	9.69		ug/L		97	69 - 133
1,2-Dichlorobenzene	10.0	10.4		ug/L		104	69 - 133
1,3-Dichlorobenzene	10.0	10.3		ug/L		103	68 - 130
1,4-Dichlorobenzene	10.0	10.5		ug/L		105	69 - 133
1,1-Dichloroethane	10.0	9.30		ug/L		93	68 - 130
1,1-Dichloroethene	10.0	8.89		ug/L		89	62 - 133
Ethylbenzene	10.0	9.91		ug/L		99	77 - 117
Tetrachloroethene	10.0	9.54		ug/L		95	59 - 130
Toluene	10.0	9.59		ug/L		96	71 - 119
trans-1,2-Dichloroethene	10.0	9.66		ug/L		97	67 - 130
Trichloroethene	10.0	9.55		ug/L		96	65 - 130
Vinyl chloride	10.0	8.70		ug/L		87	59 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*70 - 130*
Dibromofluoromethane	*98*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

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

Lab Sample ID: 660-99004-2 MS
Matrix: Water
Analysis Batch: 219172

Client Sample ID: MW-18B (150-160)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.25	U	10.0	9.85		ug/L		98	66 - 131
Chlorobenzene	0.27	U	10.0	10.1		ug/L		101	67 - 130
Chloroform	0.29	U	10.0	9.98		ug/L		100	77 - 119
cis-1,2-Dichloroethene	0.32	U	10.0	10.3		ug/L		103	69 - 133
1,2-Dichlorobenzene	0.24	U	10.0	9.77		ug/L		98	69 - 133
1,3-Dichlorobenzene	0.26	U	10.0	9.73		ug/L		97	68 - 130
1,4-Dichlorobenzene	0.22	U	10.0	10.0		ug/L		100	69 - 133
1,1-Dichloroethane	0.32	U	10.0	9.90		ug/L		99	68 - 130
1,1-Dichloroethene	1.8		10.0	11.3		ug/L		95	62 - 133
Ethylbenzene	0.27	U	10.0	9.92		ug/L		99	77 - 117
Tetrachloroethene	0.50	U	10.0	9.75		ug/L		97	59 - 130
Toluene	0.24	U	10.0	9.54		ug/L		95	71 - 119
trans-1,2-Dichloroethene	0.39	U	10.0	9.84		ug/L		98	67 - 130
Trichloroethene	0.61	U	10.0	9.93		ug/L		99	65 - 130
Vinyl chloride	0.26	U	10.0	8.37		ug/L		84	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*94*		*70 - 130*
Dibromofluoromethane	*96*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*

Lab Sample ID: 660-99004-1 DU
Matrix: Water
Analysis Batch: 219172

Client Sample ID: MW-18A (70-80)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Benzene	0.25	U	0.25	U	ug/L		NC	30
Chlorobenzene	0.27	U	0.27	U	ug/L		NC	30
Chloroform	0.29	U	0.29	U	ug/L		NC	30
cis-1,2-Dichloroethene	0.32	U	0.32	U	ug/L		NC	30
1,2-Dichlorobenzene	0.24	U	0.24	U	ug/L		NC	30
1,3-Dichlorobenzene	0.26	U	0.26	U	ug/L		NC	30
1,4-Dichlorobenzene	0.22	U	0.22	U	ug/L		NC	30
1,1-Dichloroethane	0.32	U	0.32	U	ug/L		NC	30
1,1-Dichloroethene	0.26	U	0.26	U	ug/L		NC	30
Ethylbenzene	0.27	U	0.27	U	ug/L		NC	30
Tetrachloroethene	0.50	U	0.50	U	ug/L		NC	30
Toluene	0.24	U	0.24	U	ug/L		NC	30
trans-1,2-Dichloroethene	0.39	U	0.39	U	ug/L		NC	30
Trichloroethene	0.61	U	0.61	U	ug/L		NC	30
Vinyl chloride	0.26	U	0.26	U	ug/L		NC	30
Xylenes, Total	0.50	U	0.50	U	ug/L		NC	30

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene	*89*		*70 - 130*
Dibromofluoromethane	*104*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 400-468197/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 468197

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	1.61		1.0	0.50	ug/L			12/02/19 10:26	1
Ethane	0.75	U	1.0	0.75	ug/L			12/02/19 10:26	1
Ethylene	0.55	U	1.0	0.55	ug/L			12/02/19 10:26	1

Lab Sample ID: LCS 400-468197/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 468197

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methane	389	429		ug/L		110	85 - 115
Ethane	736	803		ug/L		109	85 - 115
Ethylene	687	722		ug/L		105	85 - 115

Lab Sample ID: LCSD 400-468197/5 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 468197

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methane	389	419		ug/L		108	85 - 115	2	20
Ethane	736	782		ug/L		106	85 - 115	3	20
Ethylene	687	702		ug/L		102	85 - 115	3	20

Lab Sample ID: 660-99004-1 DU — **Client Sample ID: MW-18A (70-80)**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 468197

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Methane	3.2	V	3.47	V	ug/L		8	20
Ethane	0.75	U	0.75	U	ug/L		NC	20
Ethylene	0.55	U	0.55	U	ug/L		NC	20

Lab Sample ID: MB 400-468386/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 468386

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	0.50	U	1.0	0.50	ug/L			12/03/19 09:53	1
Ethane	0.75	U	1.0	0.75	ug/L			12/03/19 09:53	1
Ethylene	0.55	U	1.0	0.55	ug/L			12/03/19 09:53	1

Lab Sample ID: LCS 400-468386/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 468386

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methane	389	436		ug/L		112	85 - 115
Ethane	736	816		ug/L		111	85 - 115
Ethylene	687	730		ug/L		106	85 - 115

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: LCSD 400-468386/5 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 468386

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methane			389	426		ug/L		110	85 - 115	2	20
Ethane			736	792		ug/L		108	85 - 115	3	20
Ethylene			687	710		ug/L		103	85 - 115	3	20

Lab Sample ID: 240-122891-G-1 DU — **Client Sample ID: Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 468386

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Methane	1.7			2.08	J3	ug/L				21	20
Ethane	0.75	U		0.75	U	ug/L				NC	20
Ethylene	0.55	U		0.55	U	ug/L				NC	20

Method: 5310 B-2011 - Organic Carbon, Total (TOC)

Lab Sample ID: MB 680-598384/2 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 598384

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.50	U	1.0	0.50	mg/L			11/27/19 09:54	1

Lab Sample ID: LCS 680-598384/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 598384

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon			20.0	19.7		mg/L		99	80 - 120		

Lab Sample ID: LCSD 680-598384/4 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 598384

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon			20.0	20.0		mg/L		100	80 - 120	1	25

Lab Sample ID: 660-99004-1 MS — **Client Sample ID: MW-18A (70-80)**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 598384

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon	5.2		20.0	25.8		mg/L		103	80 - 120		

Lab Sample ID: 660-99004-1 MSD — **Client Sample ID: MW-18A (70-80)**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 598384

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon	5.2		20.0	25.7		mg/L		102	80 - 120	0	25

Method: 5310 B-2011 - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: MB 680-598616/3
Matrix: Water
Analysis Batch: 598616

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.50	U	1.0	0.50	mg/L			11/27/19 16:51	1

Lab Sample ID: LCS 680-598616/4
Matrix: Water
Analysis Batch: 598616

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon			20.0	19.9		mg/L		100	80 - 120		

Lab Sample ID: LCSD 680-598616/5
Matrix: Water
Analysis Batch: 598616

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon			20.0	20.0		mg/L		100	80 - 120	0	25

Lab Sample ID: 660-99004-8 MS
Matrix: Water
Analysis Batch: 598616

Client Sample ID: MW-22A (60-70)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon	9.9		20.0	30.1		mg/L		101	80 - 120		

Lab Sample ID: 660-99004-8 MSD
Matrix: Water
Analysis Batch: 598616

Client Sample ID: MW-22A (60-70)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon	9.9		20.0	29.7		mg/L		99	80 - 120	1	25

QC Association Summary

Client: Honeywell International Inc
Project/Site: Solitron 11/21-11/22

Job ID: 660-99004-1

GC/MS VOA

Analysis Batch: 219129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-99004-4	MW-19A (60-70)	Total/NA	Water	8260B	
660-99004-5	MW-19B (135-145)	Total/NA	Water	8260B	
660-99004-6	MW-19C (170-180)	Total/NA	Water	8260B	
660-99004-7	MW-19D (225-265)	Total/NA	Water	8260B	
660-99004-8	MW-22A (60-70)	Total/NA	Water	8260B	
660-99004-9	MW-22B (135-145)	Total/NA	Water	8260B	
660-99004-10	MW-22C (230-240)	Total/NA	Water	8260B	
660-99004-11	Duplicate-2	Total/NA	Water	8260B	
660-99004-12	Field Blank	Total/NA	Water	8260B	
MB 660-219129/17	Method Blank	Total/NA	Water	8260B	
LCS 660-219129/14	Lab Control Sample	Total/NA	Water	8260B	
660-98998-C-1 MS	Matrix Spike	Total/NA	Water	8260B	
660-99004-4 DU	MW-19A (60-70)	Total/NA	Water	8260B	

Analysis Batch: 219172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-99004-1	MW-18A (70-80)	Total/NA	Water	8260B	
660-99004-2	MW-18B (150-160)	Total/NA	Water	8260B	
660-99004-3	MW-18C (245-255)	Total/NA	Water	8260B	
660-99004-13	Field Blank	Total/NA	Water	8260B	
660-99004-14 - DL	Influent	Total/NA	Water	8260B	
660-99004-14	Influent	Total/NA	Water	8260B	
660-99004-15	Effluent	Total/NA	Water	8260B	
660-99004-16	Trip Blank 1	Total/NA	Water	8260B	
MB 660-219172/7	Method Blank	Total/NA	Water	8260B	
LCS 660-219172/5	Lab Control Sample	Total/NA	Water	8260B	
660-99004-2 MS	MW-18B (150-160)	Total/NA	Water	8260B	
660-99004-1 DU	MW-18A (70-80)	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 468197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-99004-2	MW-18B (150-160)	Total/NA	Water	RSK-175	
660-99004-3	MW-18C (245-255)	Total/NA	Water	RSK-175	
660-99004-4	MW-19A (60-70)	Total/NA	Water	RSK-175	
660-99004-5	MW-19B (135-145)	Total/NA	Water	RSK-175	
660-99004-6	MW-19C (170-180)	Total/NA	Water	RSK-175	
660-99004-7	MW-19D (225-265)	Total/NA	Water	RSK-175	
660-99004-9	MW-22B (135-145)	Total/NA	Water	RSK-175	
660-99004-10	MW-22C (230-240)	Total/NA	Water	RSK-175	
660-99004-11	Duplicate-2	Total/NA	Water	RSK-175	
660-99004-13	Field Blank	Total/NA	Water	RSK-175	
MB 400-468197/3	Method Blank	Total/NA	Water	RSK-175	
LCS 400-468197/4	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 400-468197/5	Lab Control Sample Dup	Total/NA	Water	RSK-175	
660-99004-1 DU	MW-18A (70-80)	Total/NA	Water	RSK-175	

Analysis Batch: 468386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-99004-1	MW-18A (70-80)	Total/NA	Water	RSK-175	

GC VOA (Continued)

Analysis Batch: 468386 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-99004-8	MW-22A (60-70)	Total/NA	Water	RSK-175	
660-99004-12	Field Blank	Total/NA	Water	RSK-175	
MB 400-468386/3	Method Blank	Total/NA	Water	RSK-175	
LCS 400-468386/4	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 400-468386/5	Lab Control Sample Dup	Total/NA	Water	RSK-175	
240-122891-G-1 DU	Duplicate	Total/NA	Water	RSK-175	

General Chemistry

Analysis Batch: 598384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-99004-1	MW-18A (70-80)	Total/NA	Water	5310 B-2011	
660-99004-2	MW-18B (150-160)	Total/NA	Water	5310 B-2011	
660-99004-3	MW-18C (245-255)	Total/NA	Water	5310 B-2011	
660-99004-4	MW-19A (60-70)	Total/NA	Water	5310 B-2011	
660-99004-5	MW-19B (135-145)	Total/NA	Water	5310 B-2011	
660-99004-6	MW-19C (170-180)	Total/NA	Water	5310 B-2011	
660-99004-7	MW-19D (225-265)	Total/NA	Water	5310 B-2011	
MB 680-598384/2	Method Blank	Total/NA	Water	5310 B-2011	
LCS 680-598384/3	Lab Control Sample	Total/NA	Water	5310 B-2011	
LCSD 680-598384/4	Lab Control Sample Dup	Total/NA	Water	5310 B-2011	
660-99004-1 MS	MW-18A (70-80)	Total/NA	Water	5310 B-2011	
660-99004-1 MSD	MW-18A (70-80)	Total/NA	Water	5310 B-2011	

Analysis Batch: 598616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-99004-8	MW-22A (60-70)	Total/NA	Water	5310 B-2011	
660-99004-9	MW-22B (135-145)	Total/NA	Water	5310 B-2011	
660-99004-10	MW-22C (230-240)	Total/NA	Water	5310 B-2011	
660-99004-11	Duplicate-2	Total/NA	Water	5310 B-2011	
660-99004-12	Field Blank	Total/NA	Water	5310 B-2011	
660-99004-13	Field Blank	Total/NA	Water	5310 B-2011	
MB 680-598616/3	Method Blank	Total/NA	Water	5310 B-2011	
LCS 680-598616/4	Lab Control Sample	Total/NA	Water	5310 B-2011	
LCSD 680-598616/5	Lab Control Sample Dup	Total/NA	Water	5310 B-2011	
660-99004-8 MS	MW-22A (60-70)	Total/NA	Water	5310 B-2011	
660-99004-8 MSD	MW-22A (60-70)	Total/NA	Water	5310 B-2011	

Lab Chronicle

Client: Honeywell International Inc
Project/Site: Solitron 11/21-11/22

Job ID: 660-99004-1

Client Sample ID: MW-18A (70-80)

Lab Sample ID: 660-99004-1
Date Collected: 11/22/19 10:10
Matrix: Water
Date Received: 11/23/19 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	219172	12/05/19 10:32	K1P	TAL TAM
Total/NA	Analysis	RSK-175		1	468386	12/03/19 12:00	SBC	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598384	11/27/19 11:19	RKJ	TAL SAV

Client Sample ID: MW-18B (150-160)

Lab Sample ID: 660-99004-2
Date Collected: 11/22/19 10:49
Matrix: Water
Date Received: 11/23/19 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	219172	12/05/19 10:52	K1P	TAL TAM
Total/NA	Analysis	RSK-175		1	468197	12/02/19 11:30	SBC	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598384	11/27/19 12:12	RKJ	TAL SAV

Client Sample ID: MW-18C (245-255)

Lab Sample ID: 660-99004-3
Date Collected: 11/22/19 11:31
Matrix: Water
Date Received: 11/23/19 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	219172	12/05/19 13:11	K1P	TAL TAM
Total/NA	Analysis	RSK-175		1	468197	12/02/19 11:40	SBC	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598384	11/27/19 12:30	RKJ	TAL SAV

Client Sample ID: MW-19A (60-70)

Lab Sample ID: 660-99004-4
Date Collected: 11/21/19 11:08
Matrix: Water
Date Received: 11/23/19 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	219129	12/04/19 17:36	TGP	TAL TAM
Total/NA	Analysis	RSK-175		1	468197	12/02/19 11:49	SBC	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598384	11/27/19 12:47	RKJ	TAL SAV

Client Sample ID: MW-19B (135-145)

Lab Sample ID: 660-99004-5
Date Collected: 11/21/19 11:44
Matrix: Water
Date Received: 11/23/19 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	219129	12/04/19 19:35	TGP	TAL TAM
Total/NA	Analysis	RSK-175		1	468197	12/02/19 12:03	SBC	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598384	11/27/19 13:04	RKJ	TAL SAV

Lab Chronicle

Client: Honeywell International Inc
Project/Site: Solitron 11/21-11/22

Job ID: 660-99004-1

Client Sample ID: MW-19C (170-180)

Lab Sample ID: 660-99004-6
Date Collected: 11/21/19 12:26
Matrix: Water
Date Received: 11/23/19 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	219129	12/04/19 19:55	TGP	TAL TAM
Total/NA	Analysis	RSK-175		1	468197	12/02/19 12:13	SBC	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598384	11/27/19 13:22	RKJ	TAL SAV

Client Sample ID: MW-19D (225-265)

Lab Sample ID: 660-99004-7
Date Collected: 11/21/19 14:44
Matrix: Water
Date Received: 11/23/19 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	219129	12/04/19 20:14	TGP	TAL TAM
Total/NA	Analysis	RSK-175		1	468197	12/02/19 12:37	SBC	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598384	11/27/19 13:41	RKJ	TAL SAV

Client Sample ID: MW-22A (60-70)

Lab Sample ID: 660-99004-8
Date Collected: 11/21/19 08:53
Matrix: Water
Date Received: 11/23/19 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	219129	12/04/19 20:34	TGP	TAL TAM
Total/NA	Analysis	RSK-175		1	468386	12/03/19 12:10	SBC	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598616	11/27/19 18:30	RKJ	TAL SAV

Client Sample ID: MW-22B (135-145)

Lab Sample ID: 660-99004-9
Date Collected: 11/21/19 09:39
Matrix: Water
Date Received: 11/23/19 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	219129	12/04/19 20:54	TGP	TAL TAM
Total/NA	Analysis	RSK-175		1	468197	12/02/19 13:16	SBC	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598616	11/27/19 19:25	RKJ	TAL SAV

Client Sample ID: MW-22C (230-240)

Lab Sample ID: 660-99004-10
Date Collected: 11/21/19 10:14
Matrix: Water
Date Received: 11/23/19 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	219129	12/04/19 21:14	TGP	TAL TAM
Total/NA	Analysis	RSK-175		1	468197	12/02/19 13:26	SBC	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598616	11/27/19 19:44	RKJ	TAL SAV

Lab Chronicle

Client: Honeywell International Inc
Project/Site: Solitron 11/21-11/22

Job ID: 660-99004-1

Client Sample ID: Duplicate-2
Lab Sample ID: 660-99004-11
Date Collected: 11/21/19 14:00
Matrix: Water
Date Received: 11/23/19 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	219129	12/04/19 21:34	TGP	TAL TAM
Total/NA	Analysis	RSK-175		1	468197	12/02/19 13:36	SBC	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598616	11/27/19 20:03	RKJ	TAL SAV

Client Sample ID: Field Blank
Lab Sample ID: 660-99004-12
Date Collected: 11/21/19 08:00
Matrix: Water
Date Received: 11/23/19 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	219129	12/04/19 19:15	TGP	TAL TAM
Total/NA	Analysis	RSK-175		1	468386	12/03/19 12:19	SBC	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598616	11/27/19 20:21	RKJ	TAL SAV

Client Sample ID: Field Blank
Lab Sample ID: 660-99004-13
Date Collected: 11/22/19 09:45
Matrix: Water
Date Received: 11/23/19 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	219172	12/05/19 12:31	K1P	TAL TAM
Total/NA	Analysis	RSK-175		1	468197	12/02/19 14:49	SBC	TAL PEN
Total/NA	Analysis	5310 B-2011		1	598616	11/27/19 20:36	RKJ	TAL SAV

Client Sample ID: Influent
Lab Sample ID: 660-99004-14
Date Collected: 11/22/19 12:40
Matrix: Water
Date Received: 11/23/19 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	20	219172	12/05/19 13:31	K1P	TAL TAM
Total/NA	Analysis	8260B		2	219172	12/05/19 13:51	K1P	TAL TAM

Client Sample ID: Effluent
Lab Sample ID: 660-99004-15
Date Collected: 11/22/19 12:50
Matrix: Water
Date Received: 11/23/19 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	219172	12/05/19 12:51	K1P	TAL TAM

Client Sample ID: Trip Blank 1
Lab Sample ID: 660-99004-16
Date Collected: 11/22/19 14:30
Matrix: Water
Date Received: 11/23/19 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	219172	12/05/19 12:11	K1P	TAL TAM

Lab Chronicle

Client: Honeywell International Inc
Project/Site: Solitron 11/21-11/22

Job ID: 660-99004-1

Laboratory References:

SC0015 = Pace-Pittsburgh (Microseeps), 220 William Pitt Way, Pittsburgh, PA 15238, TEL (412)826-5245

TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TAL TAM = Eurofins TestAmerica, Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Method Summary

Client: Honeywell International Inc
Project/Site: Solitron 11/21-11/22

Job ID: 660-99004-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
RSK-175	Dissolved Gases (GC)	RSK	TAL PEN
5310 B-2011	Organic Carbon, Total (TOC)	SM	TAL SAV
AM15.01G	AM15.01G Dissolved Gases	SKC/OSHA/NIOSH	SC0015
5030B	Purge and Trap	SW846	TAL TAM

Protocol References:

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab
SKC/OSHA/NIOSH = SKC/OSHA/NIOSH

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

SC0015 = Pace-Pittsburgh (Microseeps), 220 William Pitt Way, Pittsburgh, PA 15238, TEL (412)826-5245

TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TAL TAM = Eurofins TestAmerica, Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Accreditation/Certification Summary

Client: Honeywell International Inc
Project/Site: Solitron 11/21-11/22

Job ID: 660-99004-1

Laboratory: Eurofins TestAmerica, Tampa

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E84282	06-30-20

Laboratory: Eurofins TestAmerica, Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	07-01-20
ANAB	ISO/IEC 17025	L2471	02-22-20
Arizona	State	AZ0710	01-12-20
Arkansas DEQ	State	88-0689	09-01-20
California	State	2510	07-01-20
Florida	NELAP	E81010	06-30-20
Georgia	State	E81010(FL)	06-30-20
Iowa	State	367	08-01-20
Iowa	State Program	367	08-01-20
Kansas	NELAP	E-10253	08-16-20
Kentucky (UST)	State	53	06-30-20
Kentucky (UST)	State Program	53	06-30-20
Kentucky (WW)	State	KY98030	12-30-19
Louisiana	NELAP	30976	06-30-20
Louisiana	NELAP	30976	06-30-20
Louisiana (DW)	NELAP	LA017	12-31-19
Louisiana (DW)	State	<cert No.>	12-31-19
Maryland	State	233	09-30-20
Massachusetts	State	M-FL094	06-30-20
Michigan	State	9912	05-06-20
Minnesota	NELAP	012-999-481	12-31-19
New Jersey	NELAP	FL006	07-30-20
North Carolina (WW/SW)	State	314	12-31-19
North Carolina (WW/SW)	State Program	314	12-31-19
Oklahoma	State	9810-186	08-31-20
Pennsylvania	NELAP	68-00467	01-31-20
Rhode Island	State	LAO00307	12-30-19
Rhode Island	State Program	LAO00307	12-30-19
South Carolina	State	96026002	06-30-20
South Carolina	State Program	96026	06-30-20
Tennessee	State	TN02907	06-30-20
Texas	NELAP	T104704286	09-30-20
US Fish & Wildlife	Federal	LE058448-0	07-31-20
US Fish & Wildlife	US Federal Programs	LE058448	06-07-20
USDA	Federal	P330-18-00148	05-17-21
USDA	US Federal Programs	P330-18-00148	05-17-21
Virginia	NELAP	460166	06-14-20
Washington	State	C915	05-15-20
West Virginia DEP	State	136	06-30-20

Accreditation/Certification Summary

Client: Honeywell International Inc
Project/Site: Solitron 11/21-11/22

Job ID: 660-99004-1

Laboratory: Eurofins TestAmerica, Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
	AFCEE	SAVLAB	
Alabama	State	41450	06-30-20
Alaska	State	GA00006	06-30-20
Alaska (UST)	State	17-016	09-30-20
ANAB	Dept. of Defense ELAP	L2463	09-22-22
ANAB	ISO/IEC 17025	L2463.01	09-22-22
Arkansas DEQ	State	19-015-0	02-01-20
California	State	2939	06-30-20
Colorado	State	GA00006	12-31-19
Connecticut	State	PH-0161	03-31-21
Florida	NELAP	E87052	06-30-20
GA Dept. of Agriculture	State Program	N/A	06-12-20
Georgia	State	E87052	06-30-20
Georgia (DW)	State	803	06-30-20
Guam	State	19-007R	04-17-20
Hawaii	State	<cert No.>	06-30-20
Illinois	NELAP	004547	11-27-20
Indiana	State	C-GA-02	06-30-20
Iowa	State	353	06-30-21
Kansas	NELAP	E-10322	10-15-20
Kentucky (DW)	State	KY90084	12-31-19
Kentucky (UST)	State	<cert No.>	06-30-20
Kentucky (WW)	State	KY90084	12-31-19
Louisiana	NELAP	02011	06-30-20
Louisiana (DW)	State	LA009	12-31-19
Maine	State	GA00006	09-26-20
Maryland	State	250	12-31-20
Massachusetts	State	M-GA006	06-30-20
Michigan	State	9925	06-30-20
Mississippi	State	<cert No.>	06-30-20
Nebraska	State	NE-OS-7-04	06-30-20
New Hampshire	NELAP	2096	05-29-20
New Jersey	NELAP	GA769	06-30-20
New Mexico	State	GA00006	06-30-20
New York	NELAP	10842	04-01-20
North Carolina (DW)	State	13701	07-31-20
North Carolina (WW/SW)	State	269	12-31-19
Oklahoma	State	9984	08-31-20
Pennsylvania	NELAP	68-00474	06-30-20
South Carolina	State	98001	06-30-20
Tennessee	State	02961	06-30-20
Texas	NELAP	T1047004185-19-14	11-30-19
Texas	TCEQ Water Supply	T104704185	06-30-20
US Fish & Wildlife	US Federal Programs	LE058448-0	07-31-20
USDA	US Federal Programs	P330-18-00313	10-29-21
Virginia	NELAP	10509	06-14-20
Washington	State	C805	06-10-20
West Virginia (DW)	State	9950C	12-31-19
West Virginia DEP	State	094	07-31-20
Wisconsin	State	999819810	08-31-20

Laboratory: Eurofins TestAmerica, Savannah (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wyoming	State	8TMS-L	06-30-20 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Pace Analytical Energy Services LLC
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

December 11, 2019

Bethany McDaniel
Eurofins Test America
6712 Benjamin Road
Suite 100
Tampa, FL 33634

RE: **660-99004-1 SOLITRON**

Pace Workorder: 32282

Dear Bethany McDaniel:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday, November 27, 2019. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Ruth Welsh

Ruth Welsh 12/11/2019
Ruth.Welsh@pacelabs.com

Customer Service Representative

Enclosures

As a valued client we would appreciate your comments on our service.
Please email PAESfeedback@pacelabs.com.

Total Number of Pages 25

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Energy Services LLC.

Pace Analytical Energy Services LLC
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

LABORATORY ACCREDITATIONS & CERTIFICATIONS

Accreditor:	Pennsylvania Department of Environmental Protection, Bureau of Laboratories
Accreditation ID:	02-00538
Scope:	NELAP Non-Potable Water
Accreditor:	West Virginia Department of Environmental Protection, Division of Water and Waste Management
Accreditation ID:	395
Scope:	Non-Potable Water
Accreditor:	South Carolina Department of Health and Environmental Control, Office of Environmental Laboratory Certification
Accreditation ID:	89009003
Scope:	Clean Water Act (CWA); Resource Conservation and Recovery Act (RCRA)
Accreditor:	State of Virginia
Accreditation ID:	460201
Scope:	Non-Potable Water
Accreditor:	NELAP: New Jersey, Department of Environmental Protection
Accreditation ID:	PA026
Scope:	Non-Potable Water
Accreditor:	NELAP: New York, Department of Health Wadsworth Center
Accreditation ID:	11815
Scope:	Non-Potable Water
Accreditor:	State of Connecticut, Department of Public Health, Division of Environmental Health
Accreditation ID:	PH-0263
Scope:	Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA)
Accreditor:	NELAP: Texas, Commission on Environmental Quality
Accreditation ID:	T104704453-09-TX
Scope:	Non-Potable Water
Accreditor:	State of New Hampshire
Accreditation ID:	299409
Scope:	Non-potable water
Accreditor:	State of Georgia
Accreditation ID:	Chapter 391-3-26
Scope:	As per the Georgia EPD Rules and Regulations for Commercial Laboratories, PAES is accredited by the Pennsylvania Department of Environmental Protection Bureau of Laboratories under the National Environmental Laboratory Approval Program (NELAC).

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Pace Analytical Energy Services LLC
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

SAMPLE SUMMARY

Workorder: 32282 660-99004-1 SOLITRON

Lab ID	Sample ID	Matrix	Date Collected	Date Received
322820001	MW-18A (70-80) (660-99004-1)	Water	11/22/2019 10:10	11/27/2019 12:35
322820002	MW-18B (150-160) (660-99004-2)	Water	11/22/2019 10:49	11/27/2019 12:35
322820003	MW-18C (245-255) (660-99004-3)	Water	11/22/2019 11:31	11/27/2019 12:35
322820004	MW-19A (60-70) (660-99004-4)	Water	11/21/2019 11:08	11/27/2019 12:35
322820005	MW-19B (135-145) (660-99004-5)	Water	11/21/2019 11:44	11/27/2019 12:35
322820006	MW-19C (170-180) (660-99004-6)	Water	11/21/2019 12:26	11/27/2019 12:35
322820007	MW-19D (225-265) (660-99004-7)	Water	11/21/2019 14:44	11/27/2019 12:35
322820008	MW-22A (60-70) (660-99004-8)	Water	11/21/2019 08:53	11/27/2019 12:35
322820009	MW-22B (135-145) (660-99004-9)	Water	11/21/2019 09:39	11/27/2019 12:35
322820010	MW-22C (230-240)(660-99004-10)	Water	11/21/2019 10:14	11/27/2019 12:35
322820011	DUPLICATE-2 (660-99004-11)	Water	11/21/2019 14:00	11/27/2019 12:35
322820012	FIELD BLANK (660-99004-12)	Water	11/21/2019 08:00	11/27/2019 12:35
322820013	FIELD BLANK (660-99004-13)	Water	11/22/2019 09:45	11/27/2019 12:35

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Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 32282 660-99004-1 SOLITRON

Lab ID: **322820001** Date Received: 11/27/2019 12:35 Matrix: Water

Sample ID: **MW-18A (70-80) (660-99004-1)** Date Collected: 11/22/2019 10:10

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX			Analytical Method: AM20GAX					
Carbon Dioxide	**8.3**	mg/l	5.0	0.47	1	12/4/2019 13:23	TD	n

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ANALYTICAL RESULTS

Workorder: 32282 660-99004-1 SOLITRON

Lab ID: **322820002** Date Received: 11/27/2019 12:35 Matrix: Water

Sample ID: **MW-18B (150-160) (660-99004-2)** Date Collected: 11/22/2019 10:49

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX			Analytical Method: AM20GAX					
Carbon Dioxide	**14**	mg/l	5.0	0.47	1	12/4/2019 13:35	TD	n

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ANALYTICAL RESULTS

Workorder: 32282 660-99004-1 SOLITRON

Lab ID: **322820003** Date Received: 11/27/2019 12:35 Matrix: Water

Sample ID: **MW-18C (245-255) (660-99004-3)** Date Collected: 11/22/2019 11:31

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX			Analytical Method: AM20GAX					
Carbon Dioxide	**8.4**	mg/l	5.0	0.47	1	12/4/2019 13:48	TD	n

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ANALYTICAL RESULTS

Workorder: 32282 660-99004-1 SOLITRON

Lab ID: **322820004** Date Received: 11/27/2019 12:35 Matrix: Water

Sample ID: **MW-19A (60-70) (660-99004-4)** Date Collected: 11/21/2019 11:08

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX			Analytical Method: AM20GAX					
Carbon Dioxide	**27**	mg/l	5.0	0.47	1	12/4/2019 14:00	TD	n

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ANALYTICAL RESULTS

Workorder: 32282 660-99004-1 SOLITRON

Lab ID: **322820005** Date Received: 11/27/2019 12:35 Matrix: Water

Sample ID: **MW-19B (135-145) (660-99004-5)** Date Collected: 11/21/2019 11:44

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX			Analytical Method: AM20GAX					
Carbon Dioxide	**18**	mg/l	5.0	0.47	1	12/4/2019 14:12	TD	n

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ANALYTICAL RESULTS

Workorder: 32282 660-99004-1 SOLITRON

Lab ID: **322820006** Date Received: 11/27/2019 12:35 Matrix: Water

Sample ID: **MW-19C (170-180) (660-99004-6)** Date Collected: 11/21/2019 12:26

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX			Analytical Method: AM20GAX					
Carbon Dioxide	**16**	mg/l	5.0	0.47	1	12/4/2019 14:25	TD	n

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ANALYTICAL RESULTS

Workorder: 32282 660-99004-1 SOLITRON

Lab ID: **322820007** Date Received: 11/27/2019 12:35 Matrix: Water

Sample ID: **MW-19D (225-265) (660-99004-7)** Date Collected: 11/21/2019 14:44

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX			Analytical Method: AM20GAX					
Carbon Dioxide	**9.7**	mg/l	5.0	0.47	1	12/4/2019 14:37	TD	n

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ANALYTICAL RESULTS

Workorder: 32282 660-99004-1 SOLITRON

Lab ID: **322820008** Date Received: 11/27/2019 12:35 Matrix: Water

Sample ID: **MW-22A (60-70) (660-99004-8)** Date Collected: 11/21/2019 08:53

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX			Analytical Method: AM20GAX					
Carbon Dioxide	**27**	mg/l	5.0	0.47	1	12/4/2019 14:49	TD	n

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ANALYTICAL RESULTS

Workorder: 32282 660-99004-1 SOLITRON

Lab ID: **322820009** Date Received: 11/27/2019 12:35 Matrix: Water

Sample ID: **MW-22B (135-145) (660-99004-9)** Date Collected: 11/21/2019 09:39

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX			Analytical Method: AM20GAX					
Carbon Dioxide	**19**	mg/l	5.0	0.47	1	12/4/2019 15:39	TD	n

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ANALYTICAL RESULTS

Workorder: 32282 660-99004-1 SOLITRON

Lab ID: **322820010** Date Received: 11/27/2019 12:35 Matrix: Water

Sample ID: **MW-22C (230-240)(660-99004-10)** Date Collected: 11/21/2019 10:14

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX			Analytical Method: AM20GAX					
Carbon Dioxide	**19**	mg/l	5.0	0.47	1	12/4/2019 15:52	TD	n

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ANALYTICAL RESULTS

Workorder: 32282 660-99004-1 SOLITRON

Lab ID: **322820011** Date Received: 11/27/2019 12:35 Matrix: Water

Sample ID: **DUPLICATE-2 (660-99004-11)** Date Collected: 11/21/2019 14:00

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX			Analytical Method: AM20GAX					
Carbon Dioxide	**17**	mg/l	5.0	0.47	1	12/4/2019 16:04	TD	n

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ANALYTICAL RESULTS

Workorder: 32282 660-99004-1 SOLITRON

Lab ID: **322820012** Date Received: 11/27/2019 12:35 Matrix: Water

Sample ID: **FIELD BLANK (660-99004-12)** Date Collected: 11/21/2019 08:00

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX			Analytical Method: AM20GAX					
Carbon Dioxide	**<5.0**	mg/l	5.0	0.47	1	12/4/2019 16:16	TD	n

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ANALYTICAL RESULTS

Workorder: 32282 660-99004-1 SOLITRON

Lab ID: **322820013** Date Received: 11/27/2019 12:35 Matrix: Water

Sample ID: **FIELD BLANK (660-99004-13)** Date Collected: 11/22/2019 09:45

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: AM20GAX			Analytical Method: AM20GAX					
Carbon Dioxide	**<5.0**	mg/l	5.0	0.47	1	12/4/2019 16:29	TD	n

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ANALYTICAL RESULTS QUALIFIERS

Workorder: 32282 660-99004-1 SOLITRON

DEFINITIONS/QUALIFIERS

MDL	Method Detection Limit. Can be used synonymously with LOD; Limit Of Detection.
PQL	Practical Quanitation Limit. Can be used synonymously with LOQ; Limit Of Quantitation.
ND	Not detected at or above reporting limit.
DF	Dilution Factor.
S	Surrogate.
RPD	Relative Percent Difference.
% Rec	Percent Recovery.
U	Indicates the compound was analyzed for, but not detected at or above the noted concentration.
J	Estimated concentration greater than the set method detection limit (MDL) and less than the set reporting limit (PQL).
n	The laboratory does not hold NELAP/TNI accreditation for this method or analyte.

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QUALITY CONTROL DATA

Workorder: 32282 660-99004-1 SOLITRON

QC Batch: DISG/7959 Analysis Method: AM20GAX

QC Batch Method: AM20GAX

Associated Lab Samples: 322820001, 322820002, 322820003, 322820004, 322820005, 322820006, 322820007, 322820008, 322820009, 322820010, 322820011, 322820012, 322820013

METHOD BLANK: 64721

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
RISK				
Carbon Dioxide	mg/l	<5.0	5.0	n

LABORATORY CONTROL SAMPLE & LCSD: 64723 64725

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Carbon Dioxide	mg/l	120	120	120	106	107	80-120	0.95	20	n

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Phone: (412) 826-5245
Fax: (412) 826-3433

QUALITY CONTROL DATA QUALIFIERS

Workorder: 32282 660-99004-1 SOLITRON

QUALITY CONTROL PARAMETER QUALIFIERS

n	The laboratory does not hold NELAP/TNI accreditation for this method or analyte.

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Fax: (412) 826-3433

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 32282 660-99004-1 SOLITRON

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
322820001	MW-18A (70-80) (660-99004-1)			AM20GAX	DISG/7959
322820002	MW-18B (150-160) (660-99004-2)			AM20GAX	DISG/7959
322820003	MW-18C (245-255) (660-99004-3)			AM20GAX	DISG/7959
322820004	MW-19A (60-70) (660-99004-4)			AM20GAX	DISG/7959
322820005	MW-19B (135-145) (660-99004-5)			AM20GAX	DISG/7959
322820006	MW-19C (170-180) (660-99004-6)			AM20GAX	DISG/7959
322820007	MW-19D (225-265) (660-99004-7)			AM20GAX	DISG/7959
322820008	MW-22A (60-70) (660-99004-8)			AM20GAX	DISG/7959
322820009	MW-22B (135-145) (660-99004-9)			AM20GAX	DISG/7959
322820010	MW-22C (230-240)(660-99004-10)			AM20GAX	DISG/7959
322820011	DUPLICATE-2 (660-99004-11)			AM20GAX	DISG/7959
322820012	FIELD BLANK (660-99004-12)			AM20GAX	DISG/7959
322820013	FIELD BLANK (660-99004-13)			AM20GAX	DISG/7959

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Eurofins TestAmerica, Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone: 813-885-7427 Fax: 813-885-7049

Chain of Custody Record

32282

eurofins | Environment Testing TestAmerica

Client Information (Sub Contract Lab)	Sampler:	Lab PM: McDaniel, Bethany A	Carrier Tracking No(s):	COC No: 660-118383.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: bethany.mcdaniel@testamericainc.com	State of Origin: Florida	Page: Page 1 of 2
Company: Pace Analytical Energy Services, LLC		Accreditations Required (See note): NELAP - Florida		Job #: 660-99004-1
Address: 220 William Pitt Way, ,	Due Date Requested: 12/3/2019			
City: Pittsburgh	TAT Requested (days):			
State, Zip: PA, 15238				
Phone: 412-826-5245(Tel)	PO #:			
Email:	WO #:			
Project Name: Solitron 11/21-11/22	Project #: 66002759			
Site: Solitron - Boca Raton	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUB (Carbon Dioxide sub to Microseeps (Pace))/ Carbon Dioxide sub to Microseeps (Pace)	Total Number of containers	Special Instructions/Note:
				Preservation Code:	X	X		X	
MW-18A (70-80) (660-99004-1)	11/22/19	10:10 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES
MW-18B (150-160) (660-99004-2)	11/22/19	10:49 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES
MW-18C (245-255) (660-99004-3)	11/22/19	11:31 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES
MW-19A (60-70) (660-99004-4)	11/21/19	11:08 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES
MW-19B (135-145) (660-99004-5)	11/21/19	11:44 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES
MW-19C (170-180) (660-99004-6)	11/21/19	12:26 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES
MW-19D (225-265) (660-99004-7)	11/21/19	14:44 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES
MW-22A (60-70) (660-99004-8)	11/21/19	08:53 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES
MW-22B (135-145) (660-99004-9)	11/21/19	09:39 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	11/26/19 1878	[signature]	[signature]	11/27/19 1050	PAES

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica, Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone: 813-885-7427 Fax: 813-885-7049

Chain of Custody Record

32282

eurofins | Environment Testing TestAmerica

Client Information (Sub Contract Lab)	Sampler:	Lab PM: McDaniel, Bethany A	Carrier Tracking No(s):	COC No: 660-118383.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: bethany.mcdaniel@testamericainc.com	State of Origin: Florida	Page: Page 2 of 2
Company: Pace Analytical Energy Services, LLC		Accreditations Required (See note): NELAP - Florida		Job #: 660-99004-1
Address: 220 William Pitt Way, ,	Due Date Requested: 12/3/2019			
City: Pittsburgh	TAT Requested (days):			
State, Zip: PA, 15238				
Phone: 412-826-5245(Tel)	PO #:			
Email:	WO #:			
Project Name: Solitron 11/21-11/22	Project #: 66002759			
Site: Solitron - Boca Raton	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUB (Carbon Dioxide sub to Microseeps (Pace))/ Carbon Dioxide sub to Microseeps (Pace)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-22C (230-240) (660-99004-10)	11/21/19	10:14 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES
Duplicate-2 (660-99004-11)	11/21/19	14:00 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES
Field Blank (660-99004-12)	11/21/19	08:00 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES
Field Blank (660-99004-13)	11/22/19	09:45 Eastern		Water			X	2	MICROSEEPS MUST SUPPLY BOTTLES

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. I

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	11/26/19 1828	[signature]	[signature]	11-27-19 1050	PAES

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Cooler Receipt Form

Client Name: [illegible] **Project:** [illegible] **Lab Work Order:** 32282

A. Shipping/Container Information (circle appropriate response)

Courier: FedEx UPS USPS Client Other:_____ **Air bill Present:** Yes No

Tracking Number: [illegible]

Custody Seal on Cooler/Box Present: Yes No **Seals Intact:** Yes No

Cooler/Box Packing Material: Bubble Wrap Absorbent Foam Other:_____

Type of Ice: Wet Blue None **Ice Intact:** Yes Melted

Cooler Temperature: [illegible] **Radiation Screened:** Yes No **Chain of Custody Present:** Yes No

Comments:_____

B. Laboratory Assignment/Log-in (check appropriate response)

	YES	NO	N/A	Comment Reference non-Conformance
Chain of Custody properly filled out	✓			
Chain of Custody relinquished	✓			
Sampler Name & Signature on COC			✓	
Containers intact	✓			
Were samples in separate bags	✓			
Sample container labels match COC Sample name/date and time collected	✓			
Sufficient volume provided	✓			
PAES containers used	✓			
Are containers properly preserved for the requested testing? (as labeled)	✓			
If an unknown preservation state, were containers checked? Exception: VOA's coliform			✓	If yes, see pH form.
Was volume for dissolved testing field filtered, as noted on the COC? Was volume received in a preserved container?			✓	
Headspace present?	✓			See nonconformance

Comments:_____

Cooler contents examined/received by : [illegible] **Date:** 11-27-19

Project Manager Review : [illegible] **Date:** 11/27/19

F-PAE-Q-009-rev.01, 3Oct2017

NON-CONFORMANCE FORM

PAES Work Order #: 32282

Date: 11-27-19 Time of Receipt: 1050 Receiver: R Welsh

Client: Eurofins

REASON FOR NON-CONFORMANCE:

Headspace in Trial KW-22B

" Trial Field Blank - 12

ACTION TAKEN:

Client name: Bethany Mcdaniel Date: 11/27/19 Time: 12:53

Client emailed

Customer Service Initials: JW Date: 11/27/19

F-PAE-Q-014-rev.00, 20 Nov2014

Joseph Ward - Solitron 11/21-11/22

From: Joseph Ward
To: bethany.mcdaniel@testamericainc.com
Subject: Solitron 11/21-11/22

Upon receiving your samples for the project referenced above, We noticed the following.

There is headspace present in 1 vial for samples MW-22B and Field Blank-12. We can still run the analysis.

Joseph Ward
Customer Service
Pace Analytical Energy Services
220 William Pitt Way
Pittsburgh PA 15238
412-826-5245/412-826-2384(Direct)

Eurofins TestAmerica, Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone (813) 885-7427 Fax (813) 885-7049

Chain of Custody Record 242 - Ft Lauderdale

eurofins Environment Testing TestAmerica

Client Information	Sampler: Brian Fox	Lab PM: McDaniel, Bethany A	Carrier Tracking No(s):	COC No: 660-89060-25068.2
Client Contact: ~~Mr. Brian Fox~~ John Perella	Phone: 561-866-2747	E-Mail: bethany.mcdaniel@testamericainc.com		Page: Page ~~2 of 4~~ 1 of 3
Company: ARCADIS U.S. Inc				Job #:
Address: 1500 Gateway Blvd Suite 200	Due Date Requested:			
City: Boynton Beach	TAT Requested (days): STANDARD			
State, Zip: FL, 33426				
Phone: 804-530-6211(Tel)	PO #: 4400038537			
Email:	WO #:			
Project Name: Solitron MWs	Project #: 66002759			
Site: Florida	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - VOCs	RSK_175 - Diss Gasses (MEE)	SM5310_TOC_B - Total Organic Carbon	SUBCONTRACT - Carbon Dioxide sub to Microseeps (Pace)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	A	S	N		
MW-13A (18.5-28.5)				Water								
MW-13B (92-112)				Water								
MW-13C (167-197)				Water								
MW-14A (18.5-28.5)				Water								
MW-14B (88.5-108.5)				Water								
MW-14C (167-197)				Water								
MW-18A (70-80)	11-22-19	1010	G	Water			X	X	X	X	11	
MW-18B (150-160)	11-22-19	1049	G	Water			X	X	X	X	11	
MW-18C (245-255)	11-22-19	1131	G	Water			X	X	X	X	11	
MW-19A (60-70)	11-21-19	1108	G	Water			X	X	X	X	11	
MW-19B (135-145)	11-21-19	1144	G	Water			X	X	X	X	11	

660-99004 Chain of Custody
Loc: 660
99004

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: [signature]	Date/Time: 11-22-19 1500	Company: Arcadis	Received by: [signature]	Date/Time: 11-23-19@ 0915	Company: ETA
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: 105902		Cooler Temperature(s) °C and Other Remarks: 1.0 / 1.1 CU-09		

Ver: 01/16/2019

Eurofins TestAmerica, Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone (813) 885-7427 Fax (813) 885-7049

Chain of Custody Record 242 - Ft Lauderdale

eurofins Environment Testing TestAmerica

242 - Ft Lauderdale

Client Information	Sampler: Brian Fox	Lab PM: McDaniel, Bethany A	Carrier Tracking No(s):	COC No: 660-89060-25068.3
Client Contact: ~~Mr. Brian Fox~~ John Perella	Phone: 561-866-2747	E-Mail: bethany.mcdaniel@testamericainc.com		Page: Page ~~3 of 4~~ 2 of 3
Company: ARCADIS U.S. Inc				Job #:
Address: 1500 Gateway Blvd Suite 200	Due Date Requested:			
City: Boynton Beach	TAT Requested (days): STANDARD			
State, Zip: FL, 33426				
Phone: 804-530-6211(Tel)	PO #: 4400038537			
Email:	WO #:			
Project Name: Solitron MWs	Project #: 66002759			
Site: Florida	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - VOCs	RSK_175 - Diss Gasses (MEE)	SM5310_TOC_B - Total Organic Carbon	SUBCONTRACT - Carbon Dioxide sub to Microseeps (Pace)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	A	S	N		
MW-19C (170-180)	11-21-19	1226	G	Water			X	X	X	X	11	
MW-19D (225-265)	11-21-19	1444	G	Water			X	X	X	X	11	
MW-20A (70-80)				Water								
MW-20B (125-135)				Water								
MW-20C (225-235)				Water								
MW-22A (60-70)	11-21-19	0853	G	Water			X	X	X	X	11	
MW-22B (135-145)	11-21-19	0939	G	Water			X	X	X	X	11	
MW-22C (230-240)	11-21-19	1014	G	Water			X	X	X	X	11	
DUPLICATE-2	11-21-19	1400	G	Water			X	X	X	X	11	
Field Blank	11-21-19	0800	G	Water			X	X	X	X	11	
Field Blank	11-22-19	0945	G	Water			X	X	X	X	11	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	11-22-19 1500	Arcadis	[signature]	11-23-19 @ 0915	ETA

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.: 105190V
Cooler Temperature(s) °C and Other Remarks: 1.0/1.1 Cw-09

Ver: 01/16/2019

Eurofins TestAmerica, Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone (813) 885-7427 Fax (813) 885-7049

Chain of Custody Record 242 - Ft Lauderdale

eurofins Environment Testing TestAmerica

Client Information	Sampler: Brian Fox	Lab PM: McDaniel, Bethany A	Carrier Tracking No(s):	COC No: 660-89060-25068.4
Client Contact: ~~Mr. Brian Fox~~ John Perella	Phone: 561-866-2747	E-Mail: bethany.mcdaniel@testamericainc.com		Page: ~~Page 4 of 4~~ 3 of 3
Company: ARCADIS U.S. Inc				Job #:
Address: 1500 Gateway Blvd Suite 200	Due Date Requested:			
City: Boynton Beach	TAT Requested (days): STANDARD			
State, Zip: FL, 33426				
Phone: 804-530-6211(Tel)	PO #: 4400038537			
Email:	WO #:			
Project Name: Solitron MWs	Project #: 66002759			
Site: Florida	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - VOCs 8260 CUSTOM LIST	RSK_175 - Diss Gasses (MEE)	SM5310_TOC_B - Total Organic Carbon	SUBCONTRACT - Carbon Dioxide sub to Microseeps (Pace)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	A	S	N		
INFLUENT	11-22-19	1240	G	Water			X				3	
EFFLUENT	11-22-19	1250	G	Water			X				3	
				Water								
				Water								
				Water								
				Water								
TRIP BLANK 1	11-22-19	1430	G	Water			X				2	
TRIP BLANK 2				Water								
TRIP BLANK 3				Water								
				Water								
				Water								

Possible Hazard Identification
☒ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	11-22-19 1500	Arcadis	[signature]	11-23-19 0915	ETA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.: 105/902
Cooler Temperature(s) °C and Other Remarks: 1.0 / 1.1 cw-09

Ver: 01/16/2019

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912-354-7858 Fax: 912-352-0165

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information (Sub Contract Lab)	Sampler:	Lab PM: McDaniel, Bethany A	Carrier Tracking No(s):	COC No: 680-591579.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: bethany.mcdaniel@testamericainc.com	State of Origin: Florida	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Florida		Job #: 660-99004-1
Address: 3355 McLemore Drive, .	Due Date Requested: 12/2/2019			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32514				
Phone: 850-474-1001(Tel) 850-478-2671(Fax)	PO #:			
Email:	WO #:			
Project Name: Solitron 11/21-11/22	Project #: 66002759			
Site: Solitron - Boca Raton	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	RSK_175/ MEE (Dissolved Gases)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-18A (70-80) (660-99004-1)	11/22/19	10:10 Eastern		Water			X	3	
MW-18B (150-160) (660-99004-2)	11/22/19	10:49 Eastern		Water			X	3	
MW-18C (245-255) (660-99004-3)	11/22/19	11:31 Eastern		Water			X	3	
MW-19A (60-70) (660-99004-4)	11/21/19	11:08 Eastern		Water			X	3	
MW-19B (135-145) (660-99004-5)	11/21/19	11:44 Eastern		Water			X	3	
MW-19C (170-180) (660-99004-6)	11/21/19	12:26 Eastern		Water			X	3	
MW-19D (225-265) (660-99004-7)	11/21/19	14:44 Eastern		Water			X	3	
MW-22A (60-70) (660-99004-8)	11/21/19	08:53 Eastern		Water			X	3	
MW-22B (135-145) (660-99004-9)	11/21/19	09:39 Eastern		Water			X	3	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	11.26.19 1423		[signature]	11/27/19 970	TAEN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 36°R7

Ver: 01/16/2019

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912-354-7858 Fax: 912-352-0165

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information (Sub Contract Lab)	Sampler:	Lab PM: McDaniel, Bethany A	Carrier Tracking No(s):	COC No: 680-591579.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: bethany.mcdaniel@testamericainc.com	State of Origin: Florida	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Florida		Job #: 660-99004-1
Address: 3355 McLemore Drive, ,	Due Date Requested: 12/2/2019			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32514				
Phone: 850-474-1001(Tel) 850-478-2671(Fax)	PO #:			
Email:	WO #:			
Project Name: Solitron 11/21-11/22	Project #: 66002759			
Site: Solitron - Boca Raton	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	RSK_175/ MEE (Dissolved Gases)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-22C (230-240) (660-99004-10)	11/21/19	10:14 Eastern		Water			X	3	
Duplicate-2 (660-99004-11)	11/21/19	14:00 Eastern		Water			X	3	
Field Blank (660-99004-12)	11/21/19	08:00 Eastern		Water			X	3	
Field Blank (660-99004-13)	11/22/19	09:45 Eastern		Water			X	3	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification Unconfirmed	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by:	Date/Time: 11.26.19 1423	Company	Received by:	Date/Time: 11/27/19 920	Company TAPEN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 3.6°C IR7		

Ver: 01/16/2019

Eurofins TestAmerica, Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone: 813-885-7427 Fax: 813-885-7049

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information (Sub Contract Lab)	Sampler:	Lab PM: McDaniel, Bethany A	Carrier Tracking No(s):	COC No: 660-118355.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: bethany.mcdaniel@testamericainc.com	State of Origin: Florida	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Florida		Job #: 660-99004-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 11/29/2019			
City: Savannah	TAT Requested (days):			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: Solitron 11/21-11/22	Project #: 66002759			
Site: Solitron - Boca Raton	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	RSK_175/ Methane, Ethane, & Ethene	SM5310_TOC_B/ TOC sub to Savannah	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MW-18A (70-80) (660-99004-1)	11/22/19	10:10 Eastern		Water			X	X	6	
MW-18B (150-160) (660-99004-2)	11/22/19	10:49 Eastern		Water			X	X	6	
MW-18C (245-255) (660-99004-3)	11/22/19	11:31 Eastern		Water			X	X	6	
MW-19A (60-70) (660-99004-4)	11/21/19	11:08 Eastern		Water			X	X	6	
MW-19B (135-145) (660-99004-5)	11/21/19	11:44 Eastern		Water			X	X	6	
MW-19C (170-180) (660-99004-6)	11/21/19	12:26 Eastern		Water			X	X	6	
MW-19D (225-265) (660-99004-7)	11/21/19	14:44 Eastern		Water			X	X	6	
MW-22A (60-70) (660-99004-8)	11/21/19	08:53 Eastern		Water			X	X	6	
MW-22B (135-145) (660-99004-9)	11/21/19	09:39 Eastern		Water			X	X	6	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Kierston Sullivood	Date/Time: 11/25/19 1709	Company: EUROFINS TPA	Received by: [signature]	Date/Time: 11-26-19 710	Company: TA
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 2.1/22		

Ver: 01/16/2019

Eurofins TestAmerica, Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone: 813-885-7427 Fax: 813-885-7049

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information (Sub Contract Lab)	Sampler:	Lab PM: McDaniel, Bethany A	Carrier Tracking No(s):	COC No: 660-118355.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: bethany.mcdaniel@testamericainc.com	State of Origin: Florida	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Florida		Job #: 660-99004-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 11/29/2019			
City: Savannah	TAT Requested (days):			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: Solitron 11/21-11/22	Project #: 66002759			
Site: Solitron - Boca Raton	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	RSK_175/ Methane, Ethane, & Ethene	SM5310_TOC_B/ TOC sub to Savannah	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MW-22C (230-240) (660-99004-10)	11/21/19	10:14 Eastern		Water			X	X	6	
Duplicate-2 (660-99004-11)	11/21/19	14:00 Eastern		Water			X	X	6	
Field Blank (660-99004-12)	11/21/19	08:00 Eastern		Water			X	X	6	
Field Blank (660-99004-13)	11/22/19	09:45 Eastern		Water			X	X	6	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. I

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Kirsten Sullwood	11/25/19 1709	Eurofins TPA	[signature]	11-26-19 710	TA

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.1/2.2

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Honeywell International Inc

Job Number: 660-99004-1

Login Number: 99004
List Number: 1
Creator: Redding, Charles S

List Source: Eurofins TestAmerica, Tampa

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Honeywell International Inc

Job Number: 660-99004-1

Login Number: 99004
List Number: 3
Creator: Treadaway, Kristen N

List Source: Eurofins TestAmerica, Pensacola
List Creation: 11/27/19 12:50 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.6°C IR-7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Honeywell International Inc

Job Number: 660-99004-1

Login Number: 99004
List Number: 2
Creator: Sims, Robert D

List Source: Eurofins TestAmerica, Savannah
List Creation: 11/26/19 10:58 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX C

Historical VOC Analytical Data

APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-1B 03/05/09	MW-1B 10/21/09	MW-1B 01/07/10	MW-1B 04/13/10	MW-1B 11/02/10	MW-1B 05/24/11	MW-1B 11/29/11	MW-1B 05/08/12	MW-1B 11/08/12	MW-1B 05/30/13
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.90 U	5.2	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-1B 11/14/13	MW-1B 05/28/14	MW-1B 11/12/14	MW-1B 05/27/15	MW-1B 11/17/15	MW-1B 05/24/16	MW-1B 11/30/16	MW-1B 05/31/17	MW-1B 11/07/17	MW-1B 05/21/18
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.25 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.24 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.27 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.32 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.26 U	0.26 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U	0.44 U	0.44 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.24 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.26 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.36 U	0.22 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.27 U
Chloroform	70	700	ug/L	1.8	0.9 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.29 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.32 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.39 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.50 U	0.50 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.26 U	0.26 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-1B 11/07/18	MW-1B 05/08/19	MW-1B 11/19/19	MW-1C 03/05/09	MW-1C 10/21/09	MW-1C 01/07/10	MW-1C 04/13/10	MW-1C 11/02/10	MW-1C 05/24/11	MW-1C 11/29/11
Benzene	1	100	ug/L	0.25 U	0.25 U	0.25 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.24 U	0.24 U	0.24 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.27 U	0.27 U	0.27 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.32 U	0.32 U	0.32 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.26 U	0.26 U	0.26 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.24 U	0.24 U	0.24 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.26 U	0.26 U	0.26 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.22 U	0.22 U	0.22 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
Chlorobenzene	100	1,000	ug/L	0.27 U	0.27 U	0.27 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	2
Chloroform	70	700	ug/L	0.29 U	0.29 U	0.29 U	0.98 I	0.90 U	2.2	7.6	6.6	6.6	0.9 U
cis-1,2-Dichloroethene	70	700	ug/L	0.32 U	0.32 U	0.32 U	0.65 U	0.73 I	0.65 U	0.65 U	0.65 U	0.65 U	0.77 I
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.39 U	0.39 U	0.39 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	0.26 U	0.26 U	0.26 U	**2.8**	**1.8**	0.50 U	0.50 U	0.50 U	0.50 U	**2.1**

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-1C 05/08/12	MW-1C 11/08/12	MW-1C 05/30/13	MW-1C 11/14/13	MW-1C 05/28/14	MW-1C 11/12/14	MW-1C 05/27/15	MW-1C 11/17/15	MW-1C 05/24/16	MW-1C 11/30/16
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U	0.44 U	0.57 I	0.44 U	0.44 U	0.55 I	0.49 U	0.95 I	0.49 U	0.55 I
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
Chlorobenzene	100	1,000	ug/L	1.3	0.74 I	2.3	0.63 U	0.63 U	4.0	5.6	8.5	2.7	6.2
Chloroform	70	700	ug/L	0.90 U	1.5	0.90 U	0.90 U	0.9 U	0.90 U	0.90 U	0.90 U	1.4	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.99 I	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	**2.1**	**2.1**	**5.2**	0.50 U	0.99 I	**1.7**	0.71 U	**1.8**	0.71 U	0.85 I

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-1C 05/31/17	MW-1C 11/07/17	MW-1C 05/21/18	MW-1C 11/07/18	MW-1C 05/08/19	MW-1C 11/19/19	MW-1D 03/05/09	MW-1D 10/21/09	MW-1D 01/07/10	MW-1D 04/13/10
Benzene	1	100	ug/L	0.50 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.24 U	0.24 U	0.24 U	0.24 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.27 U	0.27 U	0.27 U	0.27 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.67 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.45 U	0.45 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.75 I	0.56 I	0.24 U	0.90 I	1.1	1.2	0.83 I	0.44 U	0.47 I	0.44 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.26 U	0.26 U	0.26 U	0.26 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.60 U	0.36 U	0.22 U	0.22 U	0.29 I	0.22 U	6.3	0.52 U	2.2	1.7
Chlorobenzene	100	1,000	ug/L	5.5	4.3	5.6	6.6	6.8	5.6	67	10	58	37
Chloroform	70	700	ug/L	0.90 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.32 U	0.34 I	0.32 U	0.32 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.67 U	0.67 U	0.39 U	0.39 U	0.39 U	0.39 U	0.44 U	0.44 U	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	0.71 U	0.26 U	0.26 U	0.33 I	0.26 U	0.26 U	0.50 U	0.50 U	**2.2**	0.50 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-1D 11/02/10	MW-1D 05/24/11	MW-1D 11/29/11	MW-1D 05/08/12	MW-1D 11/08/12	MW-1D 05/30/13	MW-1D 11/14/13	MW-1D 05/29/14	MW-1D 11/12/14	MW-1D 05/27/15
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.67 U	0.67 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U	0.59 I	0.73 I	0.50 I	0.44 I	0.59 I	0.44 U	0.44 U	0.53 I	0.49 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	1.8	4	3.2	2.5	2	3.1	2.2	1.6	3.3	0.78 I
Chlorobenzene	100	1,000	ug/L	51	82	64	50	36	38	32	25	44	17
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.9 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.74 I	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.67 U	0.67 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.59 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.71 U	0.71 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-1D 11/17/15	MW-1D 05/25/16	MW-1D 11/30/16	MW-1D 05/31/17	MW-1D 11/07/17	MW-1D 05/21/18	MW-1D 11/07/18	MW-1D 05/08/19	MW-1D 11/20/19	MW-1E 03/05/09
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.27 I	0.30 I	0.33 I	0.45 I	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.24 U	0.24 U	0.24 U	0.24 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.27 U	0.27 U	0.27 U	0.27 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.67 U	0.67 U	0.67 U	0.67 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.66 I	0.70 I	0.72 I	0.49 U	1.7	0.78 I	0.44 I	3.4	3.6	17
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.26 U	0.26 U	0.26 U	0.26 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	2.3	1.8	1.5	0.60 U	2.0	1.7	1.2	2.1	2.3	1.7
Chlorobenzene	100	1,000	ug/L	40	33	43	30	71	52	48	78	84	32
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.32 U	0.32 U	0.32 U	0.32 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.39 U	0.39 U	0.39 U	0.39 U	0.44 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.50 U
Vinyl Chloride	1	100	ug/L	0.71 U	0.71 U	0.71 U	0.71 U	0.26 U	0.26 U	0.26 U	0.37 I	0.74 I	**4.2**

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-1E 10/21/09	MW-1E 01/07/10	MW-1E 04/13/10	MW-1E 11/02/10	MW-1E 05/24/11	MW-1E 11/29/11	MW-1E 05/08/12	MW-1E 11/08/12	MW-1E 05/30/13	MW-1E 11/14/13
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.52 I	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	6	8.2	6.8	4.4	8.3	8.8	7.2	6.1	8.5	7.3
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	1.2	1.1	0.57 I	1.7	1.7	1.3	1.2	1.6	1.3
Chlorobenzene	100	1,000	ug/L	19	37	32	31	56	48	40	43	56	48
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 I	3.2	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	**25**	**96**	**7.8**	**2.7**	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.82 I

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-1E 05/29/14	MW-1E 11/12/14	MW-1E 05/27/15	MW-1E 11/18/15	MW-1E 05/25/16	MW-1E 11/30/16	MW-1E 05/31/17	MW-1E 11/07/17	MW-1E 05/21/18	MW-1E 11/07/18
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.33 I	0.33 I
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.24 U	0.24 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.27 U	0.27 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.32 U	0.32 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.26 U	0.26 U	0.26 U
1,2-Dichlorobenzene	600	6,000	ug/L	4.6	12	5.9	9.0	9.4	9.3	5.5	11	8.6	6.9
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.26 U	0.26 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.96 I	3.0	1.8	2.3	2.6	2.8	1.5	4.2	3.8	3.3
Chlorobenzene	100	1,000	ug/L	41	**110**	48	99	99	**110**	78	**150**	**130**	**120**
Chloroform	70	700	ug/L	0.9 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.29 U	0.29 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.32 U	0.32 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.39 U	0.39 U
Trichloroethene	3	300	ug/L	0.50 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	1.2	0.71 U	0.71 U	0.84 I	0.71 U	0.71 U	0.71 U	0.26 U	0.26 U	0.50 I

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-1E 05/08/19	MW-1E 11/20/19	MW-1F 03/05/09	MW-1F 10/21/09	MW-1F 01/07/10	MW-1F 04/13/10	MW-1F 11/02/10	MW-1F 05/24/11	MW-1F 11/29/11	MW-1F 05/08/12
Benzene	1	100	ug/L	0.36 I	0.25 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.24 U	0.24 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.27 U	0.27 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.32 U	0.32 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.26 U	0.26 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	7.9	8.2	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.26 U	0.32 I	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	3.4	4.2	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
Chlorobenzene	100	1,000	ug/L	**110**	**120**	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.29 U	0.29 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.32 U	0.32 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.39 U	0.39 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	**1.3**	**1.8**	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-1F 11/08/12	MW-1F 05/30/13	MW-1F 11/14/13	MW-1F 05/29/14	MW-1F 11/12/14	MW-1F 05/27/15	MW-1F 11/18/15	MW-1F 05/25/16	MW-1F 11/30/16	MW-1F 05/31/17
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.73 I	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U	0.45 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.9 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-1F 11/07/17	MW-1F 05/21/18	MW-1F 11/07/18	MW-1F 05/08/19	MW-1F 11/20/19	MW-3B 03/05/09	MW-3B 10/21/09	MW-3B 01/06/10	MW-3B 04/12/10	MW-3B 11/02/10
Benzene	1	100	ug/L	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.3	**2.9**	**2.1**	1.3	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.24 U	0.24 U	0.24 U	0.24 U	0.51 U	0.51 UJ	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.27 U	0.27 U	0.27 U	0.27 U	0.44 U	0.44 UJ	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.49 U	0.24 U	0.24 U	0.24 U	0.24 U	0.69 I	0.65 I	0.70 I	0.76 I	0.44 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.26 U	0.26 U	0.26 U	0.26 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.36 U	0.22 U	0.22 U	0.22 U	0.22 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.27 U	0.27 U	0.27 U	0.27 U	9.8	20	16	12	4.5
Chloroform	70	700	ug/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.32 U	0.32 U	0.32 U	0.32 U	0.65 U	0.65 UJ	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.67 U	0.39 U	0.39 U	0.39 U	0.39 U	0.44 U	0.44 U	0.46 I	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.50 U	0.50 U	0.50 U	0.51 I	0.50 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-3B 05/23/11	MW-3B 11/30/11	MW-3B 05/07/12	MW-3B 11/08/12	MW-3B 05/29/13	MW-3B 11/13/13	MW-3B 05/28/14	MW-3B 11/11/14	MW-3B 05/26/15	MW-3B 11/17/15
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.67 U	0.67 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.47 I	1.6	0.90 I	0.44 U	1.1	2.2	0.99 I	1.2	0.81 I	1.1
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.60 U	0.60 U
Chlorobenzene	100	1,000	ug/L	3.7	2	1.2	0.63 U	1.7	1.7	0.63 U	1.0	0.63 U	0.81 I
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.9 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.68 I	1	0.65 U	0.65 U	1.0	1.1	1.3	2.2	0.72 I	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.67 U	0.67 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.56 I	**22**	**3.3**	**2.8**	**16**	**19**	0.65 I	**1.6**	0.71 U	**2.1**

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-3B 05/24/16	MW-3B 11/29/16	MW-3B 05/30/17	MW-3B 11/07/17	MW-3B 05/23/18	MW-3B 11/06/18	MW-3B 05/07/19	MW-3B 11/19/19	MW-3C 03/05/09	MW-3C 10/21/09
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.24 U	0.24 U	0.24 U	0.24 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.27 U	0.27 U	0.27 U	0.27 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.67 U	0.67 U	0.67 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.80 I	0.49 U	0.49 U	0.49 U	0.24 U	0.24 U	0.24 U	0.24 U	0.44 U	0.46 I
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.26 U	0.26 U	0.26 U	0.26 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.60 U	0.60 U	0.60 U	0.36 U	0.22 U	0.22 U	0.22 U	0.22 U	0.52 U	0.52 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 U	0.63 U	0.27 U	0.27 U	0.27 U	0.27 U	0.63 U	3
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.32 U	0.32 U	0.32 U	0.32 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.67 U	0.67 U	0.67 U	0.67 U	0.39 U	0.39 U	0.39 U	0.39 U	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	0.71 U	0.71 U	0.71 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.65 I	0.50 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-3C 01/06/10	MW-3C 04/12/10	MW-3C 11/02/10	MW-3C 05/23/11	MW-3C 11/30/11	MW-3C 05/07/12	MW-3C 11/08/12	MW-3C 05/29/13	MW-3C 11/13/13	MW-3C 05/28/14
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.61 I	0.44 U	0.44 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
Chlorobenzene	100	1,000	ug/L	0.63 U	1.4	1.2	0.8 I	0.74 I	0.63 U	0.67 I	1.1	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.9 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.83 I	0.65 U	0.65 U	6.9	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.69 I	0.50 U	0.50 U	0.92 I	0.50 U	0.50 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-3C 11/11/14	MW-3C 05/27/15	MW-3C 11/17/15	MW-3C 05/24/16	MW-3C 11/29/16	MW-3C 05/30/17	MW-3C 11/07/17	MW-3C 05/23/18	MW-3C 11/06/18
Benzene	1	100	ug/L	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.25 U	0.25 U
Toluene	1,000	10,000	ug/L	0.51 U [0.51 U]	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.24 U	0.24 U
Ethylbenzene	700	7,000	ug/L	0.44 U [0.44 U]	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.27 U	0.27 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U [0.52 U]	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.32 U	0.32 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	0.45 U [0.45 U]	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.26 U	0.26 U	0.26 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U [0.44 U]	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.24 U	0.24 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U [0.64 U]	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.26 U	0.26 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U [0.52 U]	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.36 U	0.22 U	0.22 U
Chlorobenzene	100	1,000	ug/L	0.63 U [0.63 U]	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.27 U	0.27 U
Chloroform	70	700	ug/L	0.90 U [0.90 U]	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.29 U	0.29 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U [0.65 U]	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.32 U	0.32 U
Tetrachloroethene	3	300	ug/L	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U [0.44 U]	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.39 U	0.39 U
Trichloroethene	3	300	ug/L	0.50 U [0.50 U]	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.50 U [0.50 U]	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.26 U	0.26 U	0.26 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-3C 05/07/19	MW-3C 11/19/19	MW-4B 03/06/09	MW-4B 10/21/09	MW-4B 01/06/10	MW-4B 04/12/10	MW-4B 11/02/10	MW-4B 05/24/11	MW-4B 11/29/11	MW-4B 05/08/12
Benzene	1	100	ug/L	0.25 U	0.25 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.24 U	0.24 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.27 U	0.27 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.32 U	0.32 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.26 U	0.26 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.24 U	0.24 U	2	1.6	1.3	1.1	0.68 I	1.2	0.88 I	0.88 I
1,3-Dichlorobenzene	210	2,100	ug/L	0.26 U	0.26 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.22 U	0.22 U	8.6	2.8	2.7	2.7	3.4	3.9	3.3	3.4
Chlorobenzene	100	1,000	ug/L	0.27 U	0.27 U	**120**	47	50	51	81	66	61	68
Chloroform	70	700	ug/L	0.29 U	0.29 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.32 U	0.32 U	0.84 I	2.9	4.5	2.4	0.78 I	3.1	1.2	1.8
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.39 U	0.39 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.67 I	0.67 I
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	0.26 U	0.26 U	**2.0**	**3.7**	**4.2**	**2.7**	0.74 I	**1.8**	**1.5**	1.3

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-4B 11/08/12	MW-4B 05/30/13	MW-4B 11/14/13	MW-4B 05/28/14	MW-4B 11/12/14	MW-4B 05/27/15	MW-4B 11/17/15	MW-4B 05/24/16	MW-4B 11/29/16	MW-4B 05/31/17
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.52 I	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U	0.45 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.61 I	0.44 U	0.49 I	0.44 U	0.44 U	0.49 U	0.64 I	0.77 I	0.64 I	0.69 I
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	3.8	1.5	1.3	0.81 I	0.60 U	0.60 U	0.62 I	3.7	3.2	2.9
Chlorobenzene	100	1,000	ug/L	62	21	18	13	7.5	0.63 U	11	54	54	58
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.9 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	1.0	0.71 I	0.65 U	1.1
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.49 I	0.44 U	0.44 U	0.44 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.71 U	0.71 U	1.2	0.71 U	0.71 U	0.71 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-4B 11/07/17	MW-4B 05/24/18	MW-4B 11/06/18	MW-4B 05/07/19	MW-4B 11/19/19	MW-4C 03/06/09	MW-4C 10/21/09	MW-4C 01/06/10	MW-4C 04/12/10
Benzene	1	100	ug/L	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.24 U	0.24 U	0.24 U	0.24 U	0.51 U	0.51 U [0.51 U]	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.27 U	0.27 U	0.27 U	0.27 U	0.44 U	0.44 U [0.44 U]	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.52 U	0.52 U [0.52 U]	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.45 U	0.45 U [0.45 U]	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.85 I	0.55 I	0.36 I	0.24 U	0.39 I	0.44 U	0.44 U [1.5]	0.44 U	0.44 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.26 U	0.26 U	0.26 U	0.26 U	0.64 U	0.64 U [0.64 U]	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	3.1	2.1	1.1	0.44 I	1.5	0.52 U	0.52 U [2.9]	0.52 U	0.52 U
Chlorobenzene	100	1,000	ug/L	51	25	16	4.7	30	0.63 U	0.63 U [44]	1.1	0.63 U
Chloroform	70	700	ug/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.90 U	0.90 U [0.90 U]	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.38 I	0.32 U	0.32 U	0.32 U	2.2	2.2 [2.8]	5.1	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.67 U	0.39 U	0.39 U	0.39 U	0.39 U	0.44 U	0.44 U [0.44 U]	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	**3.8**	**3.6 [3.5]**	**4.3**	0.50 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-4C 11/02/10	MW-4C 05/24/11	MW-4C 11/29/11	MW-4C 05/08/12	MW-4C 11/08/12	MW-4C 05/29/13	MW-4C 11/14/13	MW-4C 05/28/14	MW-4C 11/12/14	MW-4C 05/27/15
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.67 U	0.67 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.49 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.60 U	0.60 U
Chlorobenzene	100	1,000	ug/L	0.76 I	0.93 I	1.4	1.4	1.2	2.5	2.3	1.3	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.9 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	3.5	2.7	1.9	1.8	0.88 I	1.5	0.78 I	0.81 I	0.82 I	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.67 U	0.67 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	**2.0**	1.2	0.50 U	0.69 I	0.50 U	0.79 I	0.50 U	0.50 U	0.71 U	0.71 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-4C 11/17/15	MW-4C 05/24/16	MW-4C 11/29/16	MW-4C 05/31/17	MW-4C 11/07/17	MW-4C 05/24/18	MW-4C 11/06/18	MW-4C 05/07/19	MW-4C 11/19/19	MW-12A 03/05/09
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.24 U	0.24 U	0.24 U	0.24 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.27 U	0.27 U	0.27 U	0.27 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.67 U	0.67 U	0.67 U	0.67 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.24 U	0.24 U	0.24 U	0.24 U	0.44 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.26 U	0.26 U	0.26 U	0.26 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.60 U	0.60 U	0.60 U	0.60 U	0.36 U	0.22 U	0.22 U	0.22 U	0.22 U	0.52 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 U	0.63 U	1.6	0.98 I	1.5	1.1	0.70 I	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	1.1	1.2	0.65 U	0.85 I	0.58 I	0.73 I	0.35 I	0.59 I	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.39 U	0.39 U	0.39 U	0.39 U	0.44 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.50 U
Vinyl Chloride	1	100	ug/L	0.71 U	0.95 I	1.2	0.71 U	0.26 U	0.26 U	0.32 I	0.26 U	0.26 U	0.50 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-12A 04/03/09	MW-12A 04/09/09	MW-12A 04/15/09	MW-12A 04/21/09	MW-12A 05/21/09	MW-12A 06/19/09	MW-12A 10/21/09	MW-12A 01/06/10	MW-12A 04/14/10	MW-12A 11/01/10
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	**1.5**	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 U	0.63 U	11	2	0.63 U	0.63 U	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-12A 05/23/11	MW-12A 11/28/11	MW-12A 05/07/12	MW-12A 11/07/12	MW-12A 05/29/13	MW-12A 11/13/13	MW-12A 05/28/14	MW-12A 11/11/14	MW-12A 05/26/15	MW-12A 11/16/15
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	1	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.67 U	0.67 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.52 I	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	2.4	0.49 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.60 U	0.60 U
Chlorobenzene	100	1,000	ug/L	0.77 I	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.9 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	1	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.97 I	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.92 I	0.67 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.77 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.4	0.71 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-12A 05/23/16	MW-12A 11/29/16	MW-12A 05/30/17	MW-12A 11/06/17	MW-12A 05/22/18	MW-12A 11/05/18	MW-12A 05/06/19	MW-12A 11/19/19	MW-12B 04/03/09	MW-12B 03/05/09
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	0.50 U	0.68 I
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.24 U	0.24 U	0.24 U	0.24 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.27 U	0.27 U	0.27 U	0.27 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.67 U	0.67 U	0.67 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.49 U	0.49 U	0.49 U	0.49 U	0.24 U	0.24 U	0.24 U	0.24 U	0.44 U	0.51 I
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.26 U	0.26 U	0.26 U	0.26 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.60 U	0.60 U	0.60 U	0.36 U	0.22 U	0.22 U	0.22 U	0.22 U	0.52 U	2.3
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 U	0.63 U	0.27 U	0.27 U	0.27 U	0.27 U	0.63 U	5.7
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.32 U	0.32 U	0.32 U	0.32 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.67 U	0.67 U	0.67 U	0.67 U	0.39 U	0.39 U	0.39 U	0.39 U	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	0.71 U	0.71 U	0.71 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.50 U	0.50 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-12B 04/09/09	MW-12B 04/15/09	MW-12B 04/21/09	MW-12B 05/21/09	MW-12B 06/19/09	MW-12B 10/21/09	MW-12B 01/06/10	MW-12B 04/14/10	MW-12B 11/01/10
Benzene	1	100	ug/L	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	**1.6**	0.61 I	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U [0.51 U]	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U [0.44 U]	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U [0.52 U]	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U [0.45 U]	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U [0.44 U]	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U [0.64 U]	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U [0.52 U]	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
Chlorobenzene	100	1,000	ug/L	0.63 U [0.63 U]	0.63 U	0.63 U	0.63 U	0.63 U	1.4	2.6	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.90 U [0.90 U]	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U [0.65 U]	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U [0.44 U]	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-12B 05/23/11	MW-12B 11/28/11	MW-12B 05/07/12	MW-12B 11/07/12	MW-12B 05/29/13	MW-12B 11/13/13	MW-12B 05/28/14	MW-12B 11/11/14	MW-12B 05/26/15	MW-12B 11/16/15
Benzene	1	100	ug/L	0.50 U	**5.5**	0.50 U	**5.5**	0.50 U	0.50 U	0.50 U	0.61 I	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.67 U	0.67 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U	0.87 I	0.44 U	0.59 I	0.44 U	0.44 U	0.44 U	0.44 U	0.49 U	0.49 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U	0.52 U	1.5	0.52 U	0.52 U	0.52 U	0.52 U	0.60 U	0.60 U
Chlorobenzene	100	1,000	ug/L	0.63 U	23	0.63 U	51	0.63 U	0.63 U	0.63 U	16	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.9 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.72 I	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.67 U	0.67 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.50 U	0.66 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.71 U	0.71 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-12B 05/23/16	MW-12B 11/29/16	MW-12B 05/30/17	MW-12B 11/06/17	MW-12B 05/22/18	MW-12B 11/05/18	MW-12B 05/06/19	MW-12B 11/19/19	MW-13A 03/05/09	MW-13A 04/03/09
Benzene	1	100	ug/L	**26**	0.50 U	0.50 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.24 U	0.24 U	0.24 U	0.24 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.27 U	0.27 U	0.27 U	0.27 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.66 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.67 U	0.67 U	0.67 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.49 U	0.49 U	0.49 U	0.49 U	0.24 U	0.24 U	0.24 U	0.24 U	6.9	24
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.26 U	0.26 U	0.26 U	0.26 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.60 U	0.60 U	0.60 U	0.36 U	0.22 U	0.22 U	0.22 U	0.22 U	0.52 U	0.52 U
Chlorobenzene	100	1,000	ug/L	86	0.63 U	0.63 U	0.63 U	0.27 U	0.27 U	0.27 U	0.27 U	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.32 U	0.32 U	0.32 U	0.32 U	1.8	7.3
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.5	**6.6**
trans-1,2-Dichloroethene	100	1,000	ug/L	0.67 U	0.67 U	0.67 U	0.67 U	0.39 U	0.39 U	0.39 U	0.39 U	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.50 U	**19**
Vinyl Chloride	1	100	ug/L	0.71 U	0.71 U	0.71 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.50 U	0.50 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-13A 04/09/09	MW-13A 04/15/09	MW-13A 04/21/09	MW-13A 05/21/09	MW-13A 06/18/09	MW-13A 10/21/09	MW-13A 01/07/10	MW-13A 04/14/10	MW-13A 11/04/10
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U [0.51 U]	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U [0.44 U]	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.89 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U [0.52 U]	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.51 I	0.45 U	0.45 U	0.85 I	0.45 U	0.45 U	0.45 U	0.45 U [0.45 U]	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	24	29	58	61	25	19	15	17 [16]	12
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U [0.64 U]	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.83 I	1.1	2.1	2.6	0.98 I	0.52 U	0.82 I	0.52 U [0.52 U]	0.52 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.96 I	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U [0.63 U]	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0 U [0.90 U]	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	8.2	13	18	22	7.6	2	28	8.6 [8.9]	15
Tetrachloroethene	3	300	ug/L	**6.8**	**6.2**	**9.5**	**15**	**5.3**	**3.3**	2.8	2 [2]	1.1
trans-1,2-Dichloroethene	100	1,000	ug/L	0.48 I	0.51 I	0.60 I	0.92 I	0.44 U	0.44 U	0.44 U	0.44 U [0.44 U]	0.44 U
Trichloroethene	3	300	ug/L	**21**	**28**	**45**	**58**	**24**	**11**	**22**	**16 [17]**	**23**
Vinyl Chloride	1	100	ug/L	0.70 I	0.65 I	0.50 U	**1.5**	0.50 U	0.50 U	**5.2**	1.4 [1.2]	**4.0**

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-13A 05/23/11	MW-13A 11/28/11	MW-13A 05/07/12	MW-13A 11/07/12	MW-13A 05/29/13	MW-13A 11/13/13	MW-13A 05/27/14	MW-13A 11/11/14	MW-13A 05/26/15	MW-13A 11/16/15
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	1.6 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.4 I	1.7 I
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	1.2	1.4
1,2-Dichlorobenzene	600	6,000	ug/L	75	43	44	5.9	9.1	2.5	13	4.1	62	83
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.67 I	0.74 I
1,4-Dichlorobenzene	75	7,500	ug/L	3.4	2	2	0.52 U	0.60 I	0.52 U	0.61 I	0.52 U	3.3	4.2
Chlorobenzene	100	1,000	ug/L	2.1	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	1.8	1.2
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.9 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	**120**	25	53	0.84 I	4.7	0.77 I	14	2.5	41	43
Tetrachloroethene	3	300	ug/L	**16**	**5.5**	**10**	1.4	1.3	0.50 U	1.8	0.50 U	**7.0**	**11**
trans-1,2-Dichloroethene	100	1,000	ug/L	3.2	0.48 I	0.98 I	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	1.5	1.2
Trichloroethene	3	300	ug/L	**290**	**120**	**130**	**3.6**	**14**	1.3	**28**	**4.1**	**51**	**73**
Vinyl Chloride	1	100	ug/L	**19**	**3.4**	**7.8**	0.50 U	0.87 I	0.50 U	**4.0**	0.50 U	**15**	**15**

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-13A 05/23/16	MW-13A 11/29/16	MW-13A 05/30/17	MW-13A 11/06/17	MW-13A 05/22/18	MW-13A 11/05/18	MW-13A 05/06/19	MW-13A 11/18/19	MW-13B 03/05/09
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	**94**
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.24 U	0.24 U	0.24 U	0.24 U	10 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.27 U	0.27 U	0.27 U	0.27 U	8.8 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.81 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	10 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	10 U
1,1-Dichloroethene	7	70	ug/L	0.67 U	1.1	0.67 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	9.0 U
1,2-Dichlorobenzene	600	6,000	ug/L	30	65	22	5.5	3.8	2.2	1.5	0.57 I	8.8 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.26 U	0.26 U	0.26 U	0.26 U	13 U
1,4-Dichlorobenzene	75	7,500	ug/L	1.8	3.4	0.60 U	0.36 U	0.22 U	0.22 U	0.22 U	0.22 U	57
Chlorobenzene	100	1,000	ug/L	0.63 U	1.5	0.63 U	0.63 U	0.27 U	0.27 U	0.27 U	0.27 U	**2,400**
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	18 U
cis-1,2-Dichloroethene	70	700	ug/L	28	25	22	1.3	2.5	0.55 I	0.32 U	0.32 U	13 U
Tetrachloroethene	3	300	ug/L	**4.8**	**7.1**	**4.5**	0.82 I	0.92 I	0.50 U	0.50 U	0.50 U	10 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.84 I	0.85 I	0.78 I	0.67 U	0.39 U	0.39 U	0.39 U	0.39 U	8.8 U
Trichloroethene	3	300	ug/L	**80**	**47**	**26**	2.8	**3.8**	1.2 I	0.83 I	0.61 U	10 U
Vinyl Chloride	1	100	ug/L	**7.7**	**12**	**3.3**	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	10 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-13B 04/03/09	MW-13B 04/09/09	MW-13B 04/15/09	MW-13B 04/21/09	MW-13B 05/21/09	MW-13B 06/18/09	MW-13B 10/21/09	MW-13B 01/07/10
Benzene	1	100	ug/L	**86 [92]**	**98**	**88**	**35**	**92**	**85 [93]**	**330**	**240 [240]**
Toluene	1,000	10,000	ug/L	1.3 [1.6]	10 U	1.7	5.1 U	1.5	1.2 [1.3]	2.3	1.5 [1.6]
Ethylbenzene	700	7,000	ug/L	1.5 [1.7]	8.8 U	1.7	4.4 U	1.9	1.5 [1.5]	2.6	1.9 [2.4]
Xylenes (total)	10,000	100,000	ug/L	3.8 [4.5]	10 U	4.6	5.0 U	5.1	4.4 [4.3]	8.1	5.1 [6.1]
1,1-Dichloroethane	70	700	ug/L	0.52 U [0.52 U]	10 U	0.52 U	5.2 U	0.52 U	0.52 U [0.52 U]	0.52 U	0.52 U [0.52 U]
1,1-Dichloroethene	7	70	ug/L	0.45 U [0.45 U]	9.0 U	0.45 U	4.5 U	0.45 U	0.45 U [0.45 U]	0.45 U	0.45 U [0.45 U]
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U [0.44 U]	8.8 U	0.44 U	4.4 U	0.44 U	0.47 I [0.44 U]	0.49 I	0.61 I [0.50 I]
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U [0.64 U]	13 U	4.3	6.4 U	5.7	4.3 [4.4]	4.6	2.6 [3.5]
1,4-Dichlorobenzene	75	7,500	ug/L	9.4 [12]	11 I	13	17	19	14 [15]	14	11 [15]
Chlorobenzene	100	1,000	ug/L	**980 [1,100]**	**1,600**	**1,300**	**1,200**	**1,300**	**980 [990]**	**730**	**1,200 [1,200]**
Chloroform	70	700	ug/L	0.90 U [0.90 U]	18 U	0.90 U	9.0 U	0.90 U	0.90 U [0.90 U]	0.90 U	0.90 U [0.90 U]
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U [0.65 U]	13 U	0.65 U	6.5 U	0.65 U	0.65 U [0.65 U]	0.65 U	0.65 U [0.65 U]
Tetrachloroethene	3	300	ug/L	0.50 U [0.50 U]	10 U	0.50 U	5.0 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U [0.50 U]
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U [0.44 U]	8.8 U	0.44 U	4.4 U	0.44 U	0.44 U [0.44 U]	0.44 U	0.44 I [0.44 U]
Trichloroethene	3	300	ug/L	0.50 U [0.50 U]	10 U	0.50 U	5.0 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U [0.50 U]
Vinyl Chloride	1	100	ug/L	0.50 U [1.3]	10 U	**1.8**	**7.0 I**	0.91 I	0.56 I [0.58 I]	0.50 U	1.4 [1.2]

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-13B 04/14/10	MW-13B 11/04/10	MW-13B 05/23/11	MW-13B 11/28/11	MW-13B 05/07/12	MW-13B 11/07/12	MW-13B 05/29/13	MW-13B 11/13/13
Benzene	1	100	ug/L	**290 (300)**	**120**	**3.1**	0.68 I	0.50 U	0.50 U [0.50 U]	0.50 U [0.50 U]	0.58 I
Toluene	1,000	10,000	ug/L	1 (1)	0.94 I	0.51 U	0.51 U	0.51 U	0.51 U [0.51 U]	0.51 U [0.51 U]	0.51 U
Ethylbenzene	700	7,000	ug/L	1.2 (1.1)	1	0.44 U	0.44 U	0.44 U	0.44 U [0.44 U]	0.44 U [0.44 U]	0.44 U
Xylenes (total)	10,000	100,000	ug/L	4.3 (3.8)	3.3	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U (0.52 U)	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U [0.52 U]	0.52 U [0.52 U]	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U (0.45 U)	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U [0.45 U]	0.45 U [0.45 U]	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U (0.44 U)	0.44 U	0.44 U	0.44 U	0.68 I	0.44 U [0.44 U]	0.47 I [0.44 U]	0.47 I
1,3-Dichlorobenzene	210	2,100	ug/L	1.8 (1.4)	1.4	0.64 U	0.64 U	1.2	0.64 U [0.64 U]	0.64 U [0.64 U]	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	6.7 (5.4)	3.2	3.3	8.8	9.7	2.7 [2.8]	0.85 I [0.83 I]	1.6
Chlorobenzene	100	1,000	ug/L	**1,300 (1,300)**	**1200**	**110**	**130**	90	15 [17]	4.0 [4.2]	19
Chloroform	70	700	ug/L	0.90 U (0.90 U)	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U [0.90 U]	0.90 U [0.90 U]	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U (0.65 U)	0.65 U	1.5	0.65 U	0.65 U	1.4 [0.97 I]	0.65 U [0.65 U]	0.65 U
Tetrachloroethene	3	300	ug/L	2.9 (2.7)	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U (0.44 U)	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U [0.44 U]	0.44 U [0.44 U]	0.44 U
Trichloroethene	3	300	ug/L	0.50 U (0.50 U)	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U
Vinyl Chloride	1	100	ug/L	0.50 U (0.53 I)	0.64 I	**2.9**	**3.5**	**1.8**	**4.0 [4.0]**	1.2 [**1.6**]	**1.5**

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-13B 05/27/14	MW-13B 11/11/14	MW-13B 05/26/15	MW-13B 11/16/15	MW-13B 05/23/16	MW-13B 11/29/16	MW-13B 05/30/17	MW-13B 11/06/17	MW-13B 05/22/18	MW-13B 11/05/18
Benzene	1	100	ug/L	**2.8**	**3.6**	**1.6**	0.76 I	**44**	**11**	1.3	0.50 U	0.25 U	0.25 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.56 I	0.51 U	0.51 U	0.51 U	0.24 U	0.24 U
Ethylbenzene	700	7,000	ug/L	0.44 U	4.3	0.54 I	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.27 U	0.27 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 I	0.50 U	0.50 U	0.69 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.32 U	0.32 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.54 I	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.26 U	0.26 U	0.26 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.50 I	1.6	1.2	1.0	5.9	3.7	1.0	0.66 I	0.24 U	0.24 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.96 I	0.64 U	3.0	2.1	0.64 U	0.64 U	0.26 U	0.26 U
1,4-Dichlorobenzene	75	7,500	ug/L	1.8	3.1	4.4	3.1	21	14	2.2	0.81 I	0.40 I	0.40 I
Chlorobenzene	100	1,000	ug/L	40	90	**140**	74	**440**	**320**	66	9.3	2.3	5.5
Chloroform	70	700	ug/L	0.9 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.29 U	0.29 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	**120**	0.65 U	0.79 I	0.65 U	1.2	2.4	3.0	1.3	0.62 I
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	1.1	0.67 U	0.67 U	1.4	0.97 I	0.67 U	0.67 U	0.39 U	0.39 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	**3.7**	**200**	**2.5**	**5.1**	**4.9**	**11**	**4.2**	0.26 U	0.62 I	0.54 I

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-13B 05/06/19	MW-13B 11/18/19	MW-13C 03/05/09	MW-13C 04/03/09	MW-13C 04/09/09	MW-13C 04/15/09	MW-13C 04/21/09	MW-13C 05/21/09	MW-13C 06/18/09
Benzene	1	100	ug/L	0.25 U	0.25 U	**670**	**140**	**91**	**22**	**55**	**15 [15]**	**16**
Toluene	1,000	10,000	ug/L	0.24 U	0.24 U	2.6	0.57 I	0.51 U	0.51 U	0.51 U	0.51 U [0.51 U]	0.51 U
Ethylbenzene	700	7,000	ug/L	0.27 U	0.27 U	3.2	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U [0.44 U]	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	8.3	0.70 I	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.62 I
1,1-Dichloroethane	70	700	ug/L	0.32 U	0.32 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U [0.52 U]	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.26 U	0.26 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U [0.45 U]	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.24 U	0.24 U	1.2	0.44 U	1.2	1.6	1	1.7 [1.4]	1.6
1,3-Dichlorobenzene	210	2,100	ug/L	0.26 U	0.26 U	0.88 I	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U [0.64 U]	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.22 U	0.43 I	9.1	0.52 U	2.2	2.3	2.5	2.8 [2.4]	2.7
Chlorobenzene	100	1,000	ug/L	1.1	1.8	**710**	**140**	**110**	63	100	66 [64]	80
Chloroform	70	700	ug/L	0.29 U	0.29 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U [0.90 U]	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.32 U	0.32 U	0.65 U	0.65 U	0.65 U	0.91 I	0.65 U	0.72 I [0.72 I]	0.70 I
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.39 U	0.39 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U [0.44 U]	0.44 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U
Vinyl Chloride	1	100	ug/L	0.26 U	0.73 I	1.4	1.3	0.88 I	**1.9**	0.79 I	0.81 I [0.92 I]	0.69 I

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-13C 10/21/09	MW-13C 01/07/10	MW-13C 04/14/10	MW-13C 11/04/10	MW-13C 05/23/11	MW-13C 11/28/11	MW-13C 05/07/12	MW-13C 11/07/12	MW-13C 05/29/13
Benzene	1	100	ug/L	**17**	**4.7**	**12**	**3.7 [4.1]**	**2.1**	**3.8**	1.1	**2**	0.70 I
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U [0.51 U]	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U [0.44 U]	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U [0.52 U]	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U	0.45 U [0.45 U]	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	1.8	1.6	1.6	1 [0.63 I]	1	1.5	0.95 I	0.90 I	2.2
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U [0.64 U]	0.64 U	0.64 U	1.2	0.83 I	1.6
1,4-Dichlorobenzene	75	7,500	ug/L	2.7	1.9	2.1	2.7 [1.7]	3.6	8.3	13	8.5	20
Chlorobenzene	100	1,000	ug/L	100	51	73	95 [77]	97	**140**	**260**	**150**	**260**
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.9 U [0.9]	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.88 I	1	0.81 I [0.74 I]	1.2	1	0.76 I	1.5	2
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U [0.44 U]	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	1.0	1.0	0.91 I	0.75 I [0.71 I]	0.50 U	0.8 I	0.50 U	**3.2**	**9.1**

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-13C 11/13/13	MW-13C 05/27/14	MW-13C 11/11/14	MW-13C 05/26/15	MW-13C 11/16/15	MW-13C 05/23/16	MW-13C 11/29/16	MW-13C 05/30/17
Benzene	1	100	ug/L	**1.8 [2]**	0.50 U	0.97 I	**2.6**	**3.5 [3.8]**	**13**	**8.7**	**2.6**
Toluene	1,000	10,000	ug/L	0.51 U [0.51 U]	0.51 U	0.51 U	0.51 U	0.51 U [0.51 U]	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U [0.44 U]	0.44 U	7.4	16	35 [35]	14	6.4	2.0
Xylenes (total)	10,000	100,000	ug/L	0.50 U [0.50 U]	0.50 U	2.1 I	3.2	4.6 [5.0]	2.4 I	1.9 I	1.9 I
1,1-Dichloroethane	70	700	ug/L	0.52 U [0.52 U]	0.52 U	0.52 U	0.52 U	0.52 U [0.52 U]	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U [0.45 U]	0.45 U	0.45 U	0.67 U	0.67 U [0.67 U]	0.67 U	0.67 U	0.67 U
1,2-Dichlorobenzene	600	6,000	ug/L	2.2 [2.1]	0.81 I	7.1	8.9	15 [15]	3.0	1.7	1.2
1,3-Dichlorobenzene	210	2,100	ug/L	1.7 [1.9]	0.64 U	0.67 I	1.1	1.3 [1.4]	0.99 I	0.85 I	1.0
1,4-Dichlorobenzene	75	7,500	ug/L	17 [18]	4.5	8.1	11	14 [14]	9.9	8.1	8.0
Chlorobenzene	100	1,000	ug/L	**250 [230]**	57	94	**120**	**180 [170]**	**150**	**120**	**110**
Chloroform	70	700	ug/L	0.90 U [0.90 U]	0.9 U	0.90 U	0.90 U	0.90 U [0.90 U]	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	1.6 [1.6]	15	70	69	6.5 [6.7]	1.5	1.9	1.4
Tetrachloroethene	3	300	ug/L	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U [0.44 U]	0.44 U	0.44 U	0.67 U	0.67 U [0.67 U]	0.67 U	0.67 U	0.67 U
Trichloroethene	3	300	ug/L	0.50 U [0.50 U]	0.50 U	0.50 U	0.61 U	0.61 U [0.61 U]	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	**2.6 [2.8]**	**18**	**140**	**150**	**92 [94]**	0.71 U	**3.4**	0.71 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-13C 11/06/17	MW-13C 05/22/18	MW-13C 11/05/18	MW-13C 05/06/19	MW-13C 11/18/19	MW-14A 03/05/09	MW-14A 04/03/09	MW-14A 04/09/09	MW-14A 04/15/09	MW-14A 04/21/09
Benzene	1	100	ug/L	0.82 I	0.44 I	1.2	0.61 I	**1.5**	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.24 U	0.24 U	0.24 U	0.24 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.27 U	0.38 I	0.27 U	0.51 I	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	1.3 I	0.50 U	1.0 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	1.1	0.89 I	2	1.6	2.4	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.80 I	0.26 U	0.81 I	0.40 I	0.77 I	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	6.8	5.6	6	3.5	5.7	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
Chlorobenzene	100	1,000	ug/L	**110**	65	100	32	78	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	1.2	1.3	1.2	1.1	0.81 I	0.65 U	0.65 U	0.65 U	1.1	0.76 I
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.67 U	0.39 U	0.39 U	0.39 U	0.39 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	0.26 U	0.64 I	**5.0**	0.34 I	1	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-14A 05/21/09	MW-14A 06/18/09	MW-14A 10/19/09	MW-14A 01/07/10	MW-14A 04/14/10	MW-14A 11/01/10	MW-14A 05/23/11	MW-14A 11/28/11	MW-14A 05/07/12	MW-14A 11/07/12
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.88 I	0.65 U	0.65 U	4.7	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.1	0.50 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-14A 11/13/13	MW-14A 11/10/14	MW-14A 11/16/15	MW-14A 11/28/16	MW-14A 11/06/17	MW-14A 11/05/18	MW-14A 11/18/19	MW-14B 03/05/09	MW-14B 04/03/09	MW-14B 04/09/09
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.25 U	0.25 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.24 U	0.24 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.27 U	0.27 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.32 U	0.32 U	0.32 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.67 U	0.67 U	0.26 U	0.26 U	0.26 U	0.45 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U	0.44 U	0.49 U	0.92 I	0.49 U	0.24 U	0.24 U	0.44 U	0.44 U	0.44 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.26 U	0.26 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U	0.60 U	0.60 U	0.36 U	0.22 U	0.22 U	0.52 U	0.52 U	0.52 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.27 U	0.27 U	0.63 U	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.29 U	0.29 U	0.29 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.93 I	0.65 U	0.65 U	0.65 U	0.65 U	0.32 U	0.32 U	0.65 U	1.1	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.67 U	0.67 U	0.67 U	0.39 U	0.39 U	0.44 U	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	0.50 U	0.50 U	0.71 U	0.71 U	0.26 U	0.26 U	0.26 U	0.50 U	0.50 U	0.50 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-14B 04/15/09	MW-14B 04/21/09	MW-14B 05/21/09	MW-14B 06/18/09	MW-14B 10/19/09	MW-14B 01/07/10	MW-14B 04/14/10	MW-14B 11/01/10	MW-14B 05/23/11	MW-14B 11/28/11
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 UJ	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 UJ	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 UJ	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 UJ	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U	0.44 U	0.44 UJ	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 UJ	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U	0.52 UJ	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 UJ	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 UJ	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 UJ	0.65 U	0.65 U	0.65 U	0.65 U	1	1.8	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.44 UJ	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	0.50 U	0.50 U	0.50 UJ	0.50 U	0.91 I	0.50 U	0.50 U	0.50 U	0.50 U	0.94 I

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-14B 05/07/12	MW-14B 11/07/12	MW-14B 11/13/13	MW-14B 11/10/14	MW-14B 11/16/15	MW-14B 11/28/16	MW-14B 11/06/17	MW-14B 11/05/18	MW-14B 11/18/19	MW-14C 03/05/09
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.25 U	0.25 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.24 U	0.24 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.27 U	0.27 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.32 U	0.32 U	0.32 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U	0.45 U	0.67 U	0.67 U	0.26 U	0.26 U	0.26 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.49 U	0.49 U	0.49 U	0.24 U	0.24 U	0.44 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.26 U	0.26 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.60 U	0.60 U	0.36 U	0.22 U	0.22 U	0.52 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.27 U	0.27 U	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.29 U	0.29 U	0.29 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.32 U	0.32 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.67 U	0.67 U	0.67 U	0.39 U	0.39 U	0.44 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.50 U
Vinyl Chloride	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.71 U	0.71 U	0.26 U	0.26 U	0.26 U	0.50 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-14C 04/03/09	MW-14C 04/09/09	MW-14C 04/15/09	MW-14C 04/21/09	MW-14C 05/21/09	MW-14C 06/18/09	MW-14C 10/19/09	MW-14C 01/07/10	MW-14C 04/14/10
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U [0.51 U]	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U [0.44 U]	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.60 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U [0.52 U]	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U	0.45 U [0.45 U]	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U [0.44 U]	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U [0.64 U]	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U	0.52 U	0.52 U [0.52 U]	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 U	0.63 U [0.63 U]	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U [0.90 U]	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U [0.65 U]	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U [0.44 U]	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-14C 11/01/10	MW-14C 05/23/11	MW-14C 11/28/11	MW-14C 05/07/12	MW-14C 11/07/12	MW-14C 11/13/13	MW-14C 11/11/14	MW-14C 11/16/15	MW-14C 11/29/16	MW-14C 11/06/17
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.67 U	0.67 U	0.26 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.49 U	0.49 U	0.49 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.60 U	0.60 U	0.36 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.67 U	0.67 U	0.67 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.71 U	0.71 U	0.26 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-14C 11/05/18	MW-14C 11/18/19	MW-18A 03/06/09	MW-18A 10/21/09	MW-18A 01/06/10	MW-18A 04/13/10	MW-18A 11/03/10	MW-18A 05/25/11	MW-18A 11/30/11	MW-18A 05/08/12
Benzene	1	100	ug/L	0.25 U	0.25 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.24 U	0.24 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.27 U	0.27 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.32 U	0.32 U	0.52 U	0.52 U	0.52 U	0.6 I	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.26 U	0.26 U	0.45 U	2.3	5.9	6.4	5.2	3.8	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.24 U	0.24 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.26 U	0.26 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.22 U	0.22 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
Chlorobenzene	100	1,000	ug/L	0.27 U	0.27 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.29 U	0.29 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.32 U	0.32 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.39 U	0.39 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	0.26 U	0.26 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-18A 11/09/12	MW-18A 11/15/13	MW-18A 11/13/14	MW-18A 11/24/15	MW-18A 12/02/16	MW-18A 11/09/17	MW-18A 11/11/18	MW-18A 11/22/19	MW-18B 03/06/09	MW-18B 10/21/09
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.25 U	0.25 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.24 U	0.24 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.27 U	0.27 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.32 U	0.32 U	0.32 U	1.9	1.6
1,1-Dichloroethene	7	70	ug/L	0.58 I	0.45 U	0.67 U	0.67 U	0.67 U	0.26 U	0.26 U	0.26 U	**17**	**9.8**
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U	0.44 U	0.49 U	0.49 U	0.49 U	0.49 U	0.24 U	0.24 U	0.44 U	0.44 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.26 U	0.26 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U	0.60 U	0.60 U	0.60 U	0.36 U	0.22 U	0.22 U	0.52 U	0.52 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.27 U	0.27 U	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.29 U	0.29 U	0.29 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.32 U	0.32 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ3	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.67 U	0.67 U	0.67 U	0.67 U	0.39 U	0.39 U	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	0.50 U	0.50 U	0.71 U	0.71 U	0.71 U	0.26 U	0.26 U	0.26 U	0.50 U	0.50 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-18B 01/06/10	MW-18B 04/13/10	MW-18B 11/03/10	MW-18B 05/25/11	MW-18B 11/30/11	MW-18B 05/08/12	MW-18B 11/09/12	MW-18B 11/15/13	MW-18B 11/13/14	MW-18B 11/24/15
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	1.7	2	2.1	2.8	2.5	1.9	1.7	1.5	0.70 I	0.52 U
1,1-Dichloroethene	7	70	ug/L	**8.8**	**8.5**	**8**	**10**	**7.2**	**9.4**	6.6	5.4	5.3	1.7
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.49 U	0.49 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.60 U	0.60 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.67 U	0.67 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.71 U	0.71 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-18B 12/02/16	MW-18B 11/09/17	MW-18B 11/11/18	MW-18B 11/22/19	MW-18C 03/06/09	MW-18C 10/21/09	MW-18C 01/06/10	MW-18C 04/13/10	MW-18C 11/03/10	MW-18C 05/25/11
Benzene	1	100	ug/L	0.50 U	0.50 U	0.25 U	0.25 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.24 U	0.24 U	0.51 U	0.51 U	0.52 I	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.27 U	0.27 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.32 U	0.32 U	0.32 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.74 I	1.7 J	1.5	1.8	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.49 U	0.49 U	0.24 U	0.24 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.26 U	0.26 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.60 U	0.36 U	0.22 U	0.22 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.27 U	0.27 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.29 U	0.29 U	0.29 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.33 I	0.32 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 UJ3	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.67 U	0.67 U	0.39 U	0.39 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	0.71 U	0.26 U	0.26 U	0.26 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-18C 11/30/11	MW-18C 05/08/12	MW-18C 11/09/12	MW-18C 11/15/13	MW-18C 11/13/14	MW-18C 11/24/15	MW-18C 12/02/16	MW-18C 11/09/17	MW-18C 11/11/18	MW-18C 11/22/19
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.25 U	0.25 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.24 U	0.24 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.27 U	0.27 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.32 U	0.32 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U	0.45 U	0.67 U	0.67 U	0.67 U	0.26 U	0.26 U	0.26 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.49 U	0.49 U	0.49 U	0.49 U	0.24 U	0.24 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.26 U	0.26 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.60 U	0.60 U	0.60 U	0.36 U	0.22 U	0.22 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.27 U	0.27 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.29 U	0.29 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.32 U	0.32 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ3	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.67 U	0.67 U	0.67 U	0.67 U	0.39 U	0.39 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.71 U	0.71 U	0.71 U	0.26 U	0.26 U	0.26 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-19A 04/03/09	MW-19A 04/08/09	MW-19A 04/15/09	MW-19A 04/20/09	MW-19A 05/22/09	MW-19A 06/19/09	MW-19A 10/20/09	MW-19A 01/07/10	MW-19A 04/12/10	MW-19A 11/03/10
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U	0.44 U	1.1	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	3.1	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	1.9	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	0.50 U	0.53 I	**48**	0.50 U	0.50 U	0.50 U	0.61 I	0.50 U	0.50 U	0.50 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-19A 05/25/11	MW-19A 11/30/11	MW-19A 05/08/12	MW-19A 11/09/12	MW-19A 06/03/13	MW-19A 11/15/13	MW-19A 05/30/14	MW-19A 11/14/14	MW-19A 05/28/15	MW-19A 11/24/15
Benzene	1	100	ug/L	**2.3**	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.96 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.67 U	0.67 U	0.67 U
1,2-Dichlorobenzene	600	6,000	ug/L	19	1.1	0.44 U	3.3	0.44 U	0.44 U	0.44 U	0.49 U	0.49 U	0.49 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	5.3	0.59 I	0.52 U	0.97 I	0.52 U	0.52 U	0.52 U	0.60 U	0.60 U	0.60 U
Chlorobenzene	100	1,000	ug/L	**120**	6.7	0.63 U	20	0.63 U	0.63 U	0.63 U	0.63 U	1.5	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.9 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	1.1	1.6	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.67 U	0.67 U	0.67 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	**41**	**3.2**	0.50 U	**3.5**	0.50 U	0.50 U	0.50 U	0.71 U	0.71 U	0.71 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-19A 05/26/16	MW-19A 12/01/16	MW-19A 06/01/17	MW-19A 11/09/17	MW-19A 05/25/18	MW-19A 11/09/18	MW-19A 05/09/19	MW-19A 11/21/19	MW-19B 03/05/09	MW-19B 04/03/09
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.24 U	0.24 U	0.24 U	0.24 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.27 U	0.27 U	0.27 U	0.27 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.67 U	0.67 U	0.67 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.49 U	0.49 U	0.49 U	0.49 U	0.24 U	0.24 U	0.24 U	0.24 U	45	25
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.26 U	0.26 U	0.26 U	0.26 U	0.74 I	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.60 U	0.60 U	0.60 U	0.36 U	0.22 U	0.22 U	0.22 U	0.22 U	6.9	2
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 U	0.63 U	0.27 U	0.27 U	0.27 U	0.27 U	21	19
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.32 U	0.32 U	0.32 U	0.32 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.67 U	0.67 U	0.67 U	0.67 U	0.39 U	0.39 U	0.39 U	0.39 U	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	0.71 U	0.71 U	0.71 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.91 I	0.50 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-19B 04/08/09	MW-19B 04/15/09	MW-19B 04/20/09	MW-19B 05/22/09	MW-19B 06/19/09	MW-19B 10/20/09	MW-19B 01/07/10	MW-19B 04/12/10	MW-19B 11/03/10	MW-19B 05/25/11
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	20	25	23	19	24	14	12	17	13	7.4
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	2.9	3.6	3.4	2.5	3.1	0.52 U	2	2.3	1.8	1.1
Chlorobenzene	100	1,000	ug/L	15	18	15	12	17	16	21	23	23	10
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	1.1	**2.4**	1.4	1.0	0.98 I	**1.5**	**3.2**	**1.6**	1.2	**1.7**

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-19B 11/30/11	MW-19B 05/08/12	MW-19B 11/09/12	MW-19B 06/03/13	MW-19B 11/15/13	MW-19B 05/30/14	MW-19B 11/14/14	MW-19B 05/28/15
Benzene	1	100	ug/L	0.73 I	0.88 I	0.86 I	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U [0.51 U]	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U [0.44 U]	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U [0.52 U]	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.67 U [0.67 U]	0.67 U
1,2-Dichlorobenzene	600	6,000	ug/L	7.6	8.7	5.3	2.9	1.8	1.2	0.88 I [0.87 I]	1.3
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U [0.64 U]	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	1.1	1.2	1.2	1.2	0.95 I	0.56 I	0.60 U [0.60 U]	0.60 U
Chlorobenzene	100	1,000	ug/L	6.8	5.9	6.4	3.8	5.1	2.1	1.7 [1.8]	1.6
Chloroform	70	700	ug/L	0.9 U	0.90 U	0.90 U	0.90 U	0.90 U	0.9 U	0.90 U [0.90 U]	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U [0.65 U]	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.77 I	1.1	1.5 [1.7]	2.2
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.66 I [0.61 U]	0.61 U
Vinyl Chloride	1	100	ug/L	1.2	1.0	**4.0**	**5.9**	**14**	**26**	**65 [63]**	**86**

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-19B 11/24/15	MW-19B 05/26/16	MW-19B 12/01/16	MW-19B 06/01/17	MW-19B 11/09/17	MW-19B 05/25/18	MW-19B 11/09/18	MW-19B 05/09/19	MW-19B 11/21/19
Benzene	1	100	ug/L	0.50 U [0.50 U]	0.50 U	1.0 U	0.50 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U
Toluene	1,000	10,000	ug/L	0.51 U [0.51 U]	0.51 U	1.0 U	0.51 U	0.51 U	0.24 U	0.24 U	0.24 U	0.24 U
Ethylbenzene	700	7,000	ug/L	0.44 U [0.44 U]	0.44 U	0.88 U	0.44 U	0.44 U	0.27 U	0.27 U	0.27 U	0.27 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U [0.50 U]	0.50 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U [0.52 U]	0.52 U	1.0 U	0.52 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	0.67 U [0.67 U]	0.67 U	1.3 U	0.67 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.96 I [0.86 I]	0.95 I	1.3 I	2.5	4.0	6.5	5.4	3.9	3.3
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U [0.64 U]	0.64 U	1.3 U	0.64 U	0.64 U	0.26 U	0.26 U	0.26 U	0.26 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.60 U [0.60 U]	0.60 U	1.2 U	0.60 U	0.36 U	0.63 I	0.58 I	0.45 I	0.50 I
Chlorobenzene	100	1,000	ug/L	2.2 [2.2]	3.5	4.4	7.1	5.9	3.5	2.6	2.4	3
Chloroform	70	700	ug/L	0.90 U [0.90 U]	0.90 U	1.8 U	0.90 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U [0.65 U]	0.65 U	1.3 U	0.65 U	0.65 U	0.32 U	0.32 U	0.32 U	0.32 U
Tetrachloroethene	3	300	ug/L	0.50 U [0.50 U]	0.50 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	2.2 [2.1]	1.7	1.3 I	2.6	1.2	0.76 I	0.55 I	0.39 U	0.39 U
Trichloroethene	3	300	ug/L	0.61 U [0.61 U]	0.61 U	1.2 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	**160 [160]**	**220**	**220**	**190**	**93**	**46**	**15**	**5.3**	**3.6**

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-19C 03/05/09	MW-19C 04/03/09	MW-19C 04/08/09	MW-19C 04/15/09	MW-19C 04/20/09	MW-19C 05/22/09	MW-19C 06/19/09	MW-19C 10/20/09	MW-19C 01/07/10
Benzene	1	100	ug/L	5.0 U	0.50 U	2.5 U	0.50 U [0.50 U]	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	5.1 U	0.51 U	2.6 U	0.51 U [0.51 U]	1.0 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	4.4 U	0.44 U	2.2 U	0.44 U [0.44 U]	0.88 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	5.0 U	0.50 U	2.5 U	0.50 U [0.50 U]	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	5.2 U	0.52 U	2.6 U	0.52 U [0.52 U]	1.0 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	4.5 U	0.45 U	2.2 U	0.45 U [0.45 U]	0.90 U	0.45 U	0.45 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	71	39	26	28 [27]	24	25	32	32	25
1,3-Dichlorobenzene	210	2,100	ug/L	6.4 U	0.64 U	3.2 U	0.64 U [0.64 U]	1.3 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	5.2 U	0.52 U	2.6 U	0.52 U [0.52 U]	1.0 U	0.57 I	0.76 I	0.52 U	0.73 I
Chlorobenzene	100	1,000	ug/L	11	2	3.2 U	2.0 [2.0]	1.3 U	1.9	2.2	1.6	1.5
Chloroform	70	700	ug/L	9.0 U	0.90 U	4.5 U	0.90 U [0.90 U]	1.8 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	25	17	13	16 [17]	8.3	18	6.1	6.2	3.5
Tetrachloroethene	3	300	ug/L	5.0 U	0.50 U	2.5 U	0.50 U [0.50 U]	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	4.4 U	0.49 I	2.2 U	0.57 I [0.58 I]	0.88 U	0.44 U	0.44 U	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	5.0 U	0.50 U	2.5 U	0.50 U [0.50 U]	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	**910**	**320**	**390**	**200 [440]**	**250**	**400**	**110**	**220**	**130**

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-19C 04/12/10	MW-19C 11/04/10	MW-19C 05/25/11	MW-19C 11/30/11	MW-19C 05/08/12	MW-19C 11/09/12	MW-19C 06/30/13
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U [0.50 U]
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U [0.51 U]	0.51 U	0.51 U [0.51 U]	0.51 U	0.51 U [0.51 U]
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U [0.44 U]	0.44 U	0.44 U [0.44 U]	0.44 U	0.44 U [0.44 U]
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U [0.50 U]
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U [0.52 U]	0.52 U	0.52 U [0.52 U]	0.52 U	0.52 U [0.52 U]
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U [0.45 U]	0.45 U	0.45 U [0.45 U]	0.45 U	0.45 U [0.45 U]
1,2-Dichlorobenzene	600	6,000	ug/L	24	25	22 [29]	23	19 [22]	17	16 [17]
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U [0.64 U]	0.64 U	0.64 U [0.64 U]	0.64 U	0.64 U [0.64 U]
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.74 I	0.59 I [0.77 I]	0.58 I	0.69 I [0.67 I]	0.57 I	0.52 U [0.61 I]
Chlorobenzene	100	1,000	ug/L	0.63 U	1.1	0.64 I [0.69 I]	0.63 U	0.83 I [0.63 U]	0.87 I	1.8 [1.9]
Chloroform	70	700	ug/L	0.9 U	0.9 U	0.9 U [0.9 U]	0.9 U	0.90 U [0.90 U]	0.90 U	0.90 U [0.90 U]
cis-1,2-Dichloroethene	70	700	ug/L	4.3	4.7	5.1 [5]	1.4	0.73 I [0.65 U]	0.81 I	0.65 U [0.65 U]
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U [0.50 U]
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.44 U [0.44 U]	0.44 U	0.44 U [0.44 U]	0.44 U	0.44 U [0.44 U]
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U [0.50 U]
Vinyl Chloride	1	100	ug/L	**120**	**110**	**390 [420]**	**840**	**830 [550]**	**820**	**450 [510]**

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-19C 11/15/13	MW-19C 05/30/14	MW-19C 11/14/14	MW-19C 05/28/15	MW-19C 11/24/15	MW-19C 05/26/16	MW-19C 12/01/16
Benzene	1	100	ug/L	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U [0.50 U]
Toluene	1,000	10,000	ug/L	0.51 U [0.51 U]	0.51 U [0.51 U]	0.51 U	0.51 U	0.51 U	0.51 U [0.51 U]	0.51 U [0.51 U]
Ethylbenzene	700	7,000	ug/L	0.44 U [0.44 U]	0.44 U [0.44 U]	0.44 U	0.44 U	0.44 U	0.44 U [0.44 U]	0.44 U [0.44 U]
Xylenes (total)	10,000	100,000	ug/L	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U [0.50 U]
1,1-Dichloroethane	70	700	ug/L	0.52 U [0.52 U]	0.52 U [0.52 U]	0.52 U	0.52 U	0.52 U	0.52 U [0.52 U]	0.52 U [0.52 U]
1,1-Dichloroethene	7	70	ug/L	0.45 U [0.45 U]	0.45 U [0.45 U]	0.67 U	0.67 U	0.67 U	0.67 U [0.67 U]	0.67 U [0.67 U]
1,2-Dichlorobenzene	600	6,000	ug/L	31 [30]	48 [45]	17	15	16	18 [17]	13 [14]
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U [0.64 U]	0.64 U [0.64 U]	0.64 U	0.64 U	0.64 U	0.64 U [0.64 U]	0.64 U [0.64 U]
1,4-Dichlorobenzene	75	7,500	ug/L	1.9 [1.9]	3.8 [3.5]	0.93 I	0.60 U	0.60 I	0.99 I [0.98 I]	0.71 I [0.68 I]
Chlorobenzene	100	1,000	ug/L	16 [15]	23 [24]	3.0	1.7	1.7	1.6 [1.5]	0.88 I [0.90 I]
Chloroform	70	700	ug/L	0.90 U [0.90 U]	0.9 U [0.9 U]	0.90 U	0.90 U	0.90 U	0.90 U [0.90 U]	0.90 U [0.90 U]
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U [0.65 U]	0.65 U [0.65 U]	0.65 U	0.65 U	0.65 U	0.65 U [0.65 U]	0.65 U [0.65 U]
Tetrachloroethene	3	300	ug/L	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U [0.50 U]
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U [0.44 U]	0.44 U [0.44 U]	0.67 U	0.67 U	0.67 U	0.67 U [0.67 U]	0.67 U [0.67 U]
Trichloroethene	3	300	ug/L	0.50 U [0.50 U]	0.50 U [0.50 U]	0.61 U	0.61 U	0.61 U	0.61 U [0.61 U]	0.61 U [0.61 U]
Vinyl Chloride	1	100	ug/L	**240 [240]**	**66 [88]**	**16**	**51**	**16**	**12 [14]**	**11 [11]**

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-19C 06/01/17	MW-19C 11/09/17	MW-19C 05/25/18	MW-19C 11/09/18	MW-19C 05/09/19	MW-19C 11/21/19
Benzene	1	100	ug/L	0.50 U [0.50 U]	0.50 U [0.50 U]	0.25 U [0.25 U]	0.25 U [0.25 U]	0.25 U [0.25 U]	0.25 U[0.25 U]
Toluene	1,000	10,000	ug/L	0.51 U [0.51 U]	0.51 U [0.51 U]	0.24 U [0.24 U]	0.24 U [0.24 U]	0.24 U [0.24 U]	0.24 U[0.24 U]
Ethylbenzene	700	7,000	ug/L	0.44 U [0.44 U]	0.44 U [0.44 U]	0.27 U [0.27 U]	0.27 U [0.27 U]	0.27 U [0.27 U]	0.27 U[0.27 U]
Xylenes (total)	10,000	100,000	ug/L	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U[0.50 U]
1,1-Dichloroethane	70	700	ug/L	0.52 U [0.52 U]	0.32 U [0.32 U]	0.32 U [0.32 U]	0.32 U [0.32 U]	0.32 U [0.32 U]	0.32 U[0.32 U]
1,1-Dichloroethene	7	70	ug/L	0.67 U [0.67 U]	0.26 U [0.26 U]	0.26 U [0.26 U]	0.26 U [0.26 U]	0.26 U [0.26 U]	0.26 U[0.26 U]
1,2-Dichlorobenzene	600	6,000	ug/L	14 [14]	12 [12]	12 [12]	10 [11]	10 [10]	15[15]
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U [0.64 U]	0.64 U [0.64 U]	0.26 U [0.26 U]	0.26 U [0.26 U]	0.26 U [0.26 U]	0.26 U[0.26 U]
1,4-Dichlorobenzene	75	7,500	ug/L	0.60 U [0.60 U]	0.36 U [0.36 U]	0.44 I [0.50 I]	0.52 I [0.52 I]	0.37 I [0.31 I]	0.71 I[0.71 I]
Chlorobenzene	100	1,000	ug/L	0.79 I [0.81 I]	0.72 I [0.68 I]	0.60 I [0.56 I]	0.48 I [0.50 I]	0.27 U [0.27 U]	0.50 I[0.27 U]
Chloroform	70	700	ug/L	0.90 U [0.90 U]	0.29 U [0.29 U]	0.29 U [0.29 U]	0.29 U [0.29 U]	0.29 U [0.29 U]	0.29 U[0.29 U]
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U [0.65 U]	0.65 U [0.65 U]	0.39 I [0.38 I]	0.48 I [0.45 I]	0.68 I [0.60 I]	0.83 I[0.90 I]
Tetrachloroethene	3	300	ug/L	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U[0.50 U]
trans-1,2-Dichloroethene	100	1,000	ug/L	0.67 U [0.67 U]	0.67 U [0.67 U]	0.39 U [0.39 U]	0.39 U [0.39 U]	0.39 U [0.39 U]	0.39 U[0.39 U]
Trichloroethene	3	300	ug/L	0.61 U [0.61 U]	0.61 U [0.61 U]	0.61 U [0.61 U]	0.61 U [0.61 U]	0.61 U [0.61 U]	0.61 U[0.61 U]
Vinyl Chloride	1	100	ug/L	**23 [24]**	**17 [16]**	**6.0 [5.9]**	**3.5 [3.7]**	**3.8 [3.7]**	**3.7[3.7]**

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-19D 03/05/09	MW-19D 04/03/09	MW-19D 04/08/09	MW-19D 04/15/09	MW-19D 04/20/09	MW-19D 05/22/09	MW-19D 06/19/09	MW-19D 10/20/09
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U [0.51 U]	0.51 U	0.51 U	0.51 U [0.51 U]	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U [0.44 U]	0.44 U	0.44 U	0.44 U [0.44 U]	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U [0.52 U]	0.52 U	0.52 U	0.52 U [0.52 U]	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U [0.45 U]	0.45 U	0.45 U	0.45 U [0.45 U]	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U	0.44 U	0.44 U [0.44 U]	0.44 U	0.44 U	0.44 U [0.44 U]	0.44 U	0.44 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U [0.64 U]	0.64 U	0.64 U	0.64 U [0.64 U]	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U	0.52 U [0.52 U]	0.52 U	0.52 U	0.52 U [0.52 U]	0.52 U	0.52 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 U [0.63 U]	0.63 U	0.63 U	0.63 U [0.63 U]	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U [0.90 U]	0.90 U	0.90 U	0.90 U [0.90 U]	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U [0.65 U]	0.65 U	0.65 U	0.65 U [0.65 U]	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.44 U [0.44 U]	0.44 U	0.44 U	0.44 U [0.44 U]	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-19D 01/07/10	MW-19D 04/12/10	MW-19D 11/04/10	MW-19D 05/25/11	MW-19D 11/30/11	MW-19D 05/08/12	MW-19D 11/09/12	MW-19D 06/03/13
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U [0.51 U]	0.51 U	0.51 U [0.51 U]	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U [0.44 U]	0.44 U	0.44 U [0.44 U]	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U [0.52 U]	0.52 U	0.52 U [0.52 U]	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U [0.45 U]	0.45 U	0.45 U [0.45 U]	0.45 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U	0.44 U	0.44 U [0.44 U]	0.44 U	0.44 U [0.44 U]	0.44 U	0.44 U	0.44 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U [0.64 U]	0.64 U	0.64 U [0.64 U]	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U	0.52 U [0.52 U]	0.52 U	0.52 U [0.52 U]	0.52 U	0.52 U	0.52 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 U [0.63 U]	0.63 U	0.63 U [0.63 U]	0.63 U	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U [0.90 U]	0.90 U	0.90 U [0.90 U]	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U [0.65 U]	0.65 U	0.65 U [0.65 U]	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.44 U [0.44 U]	0.44 U	0.44 U [0.44 U]	0.44 U	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-19D 11/15/13	MW-19D 05/30/14	MW-19D 11/14/14	MW-19D 05/28/15	MW-19D 11/24/15	MW-19D 05/26/16	MW-19D 12/01/16	MW-19D 06/01/17	MW-19D 11/09/17
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U [0.51 U]	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U [0.44 U]	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U [0.52 U]	0.52 U	0.52 U	0.52 U	0.52 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.67 U	0.67 U [0.67 U]	0.67 U	0.67 U	0.67 U	0.67 U	0.26 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U	0.44 U	0.49 U	0.49 U [16]	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U [0.64 U]	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U	0.60 U	0.60 U [0.60]	0.60 U	0.60 U	0.60 U	0.60 U	0.36 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 U	0.63 U [1.7]	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.9 U	0.90 U	0.90 U [0.90 U]	0.90 U	0.90 U	0.90 U	0.90 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U [0.65 U]	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.67 U	0.67 U [0.67 U]	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.61 U	0.61 U [0.61 U]	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.50 U	0.50 U	0.71 U	0.71 U [44]	0.71 U	0.71 U	0.71 U	0.71 U	0.26 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-19D 05/25/18	MW-19D 11/09/18	MW-19D 05/09/19	MW-19D 11/21/19	MW-20A 03/05/09	MW-20A 04/02/09	MW-20A 04/08/09	MW-20A 04/14/09	MW-20A 04/20/09	MW-20A 05/21/09
Benzene	1	100	ug/L	0.25 U	0.25 U	0.25 U	0.25 U	0.50 U	0.50 U	0.85 I	0.65 I	0.65 I	0.84 I
Toluene	1,000	10,000	ug/L	0.24 U	0.24 U	0.24 U	0.24 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.27 U	0.27 U	0.27 U	0.27 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.32 U	0.32 U	0.32 U	0.32 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.26 U	0.26 U	0.26 U	0.26 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.24 U	0.24 U	0.24 U	0.24 U	4	2.9	3.4	3.7	3.3	4.2
1,3-Dichlorobenzene	210	2,100	ug/L	0.26 U	0.26 U	0.26 U	0.26 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.22 U	0.22 U	0.22 U	0.22 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
Chlorobenzene	100	1,000	ug/L	0.27 U	0.27 U	0.27 U	0.27 U	6.1	4.6	6.2	5.6	5.4	7
Chloroform	70	700	ug/L	0.29 U	0.29 U	0.29 U	0.29 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.32 U	0.32 U	0.32 U	0.32 U	7.9	7.3	6.5	6.8	5.4	5.2
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.39 U	0.39 U	0.39 U	0.39 U	0.64 I	0.72 I	0.98 I	1	0.96 I	0.92 I
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	0.26 U	0.26 U	0.26 U	0.26 U	**31**	**30**	**34**	**35**	**24**	**30**

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-20A 06/19/09	MW-20A 10/20/09	MW-20A 01/07/10	MW-20A 04/13/10	MW-20A 11/03/10	MW-20A 05/25/11	MW-20A 11/29/11	MW-20A 05/08/12	MW-20A 11/09/12
Benzene	1	100	ug/L	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.93 I	0.61 I	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.68 I [0.51 U]	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U [0.44 U]	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U [0.52 U]	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U [0.45 U]	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	2.5	2.5 [0.44 U]	2.1	2.4	1.8	9.7	5.4	5.1	2.1
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U [0.64 U]	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U [0.52 U]	0.52 U	0.52 U	0.52 U	0.73 I	0.52 U	0.58 I	0.52 U
Chlorobenzene	100	1,000	ug/L	3.6	3.9 [3.5]	3.7	3.1	3.4	8.8	14	9.5	5.1
Chloroform	70	700	ug/L	0.90 U	0.90 U [0.90 U]	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	4.3	2.7 [2.4]	2.1	2	0.65 U	16	1.3	3.7	3.4
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.66 I	0.65 I [0.59 I]	0.47 I	0.62 I	0.44 U	1.5	0.75 I	1.1	0.44 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	**17**	**20 [19]**	**12**	**11**	**3.4**	**220**	**10**	**25**	**8.5**

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-20A 05/01/13	MW-20A 11/14/13	MW-20A 05/29/14	MW-20A 11/12/14	MW-20A 05/27/15	MW-20A 11/23/15	MW-20A 05/25/16	MW-20A 11/30/16	MW-20A 06/01/17	MW-20A 11/08/17
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.26 U
1,2-Dichlorobenzene	600	6,000	ug/L	2.8	0.71 I	1.2	1.3	5.6	4.9	2.5	3.8	2.8	3.7
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U	0.52 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.36 U
Chlorobenzene	100	1,000	ug/L	6.2	1.8	3	4.2	5.0	13	6.1	5.3	2.4	9.7
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.9 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.44 U	0.67 U	0.96	0.67 U	0.67 U	0.67 U	0.77 I	0.67 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	**2.6**	1.1	1.2	1.0	**8.5**	**2.8**	1.3	**5.5**	**6.2**	**2.9**

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-20A 05/24/18	MW-20A 11/07/18	MW-20A 05/10/19	MW-20A 11/20/19	MW-20B 03/05/09	MW-20B 04/02/09	MW-20B 04/08/09	MW-20B 04/14/09	MW-20B 04/20/09	MW-20B 05/21/09
Benzene	1	100	ug/L	0.25 U	0.25 U	0.25 U	0.25 U	10 U	10 U	10 U	0.50 U	10 U	0.50 U
Toluene	1,000	10,000	ug/L	0.24 U	0.24 U	0.24 U	0.24 U	10 U	10 U	10 U	0.51 U	10 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.27 U	0.27 U	0.27 U	0.27 U	8.8 U	8.8 U	8.8 U	0.44 U	8.8 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	10 U	10 U	10 U	0.64 I	10 U	0.62 I
1,1-Dichloroethane	70	700	ug/L	0.32 U	0.32 U	0.32 U	0.32 U	10 U	10 U	10 U	0.52 U	10 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.26 U	0.26 U	0.26 U	0.26 U	9.0 U	9.0 U	9.0 U	0.52 I	9.0 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	2.1	1.5	1.9	0.67 I	18 I	9.1 I	13 I	15	8.8 U	17
1,3-Dichlorobenzene	210	2,100	ug/L	0.26 U	0.26 U	0.26 U	0.26 U	16 I	13 U	13 U	0.64 U	13 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.26 I	0.22 U	0.22 U	0.22 U	10 U	10 U	10 U	0.52 U	10 U	0.52 U
Chlorobenzene	100	1,000	ug/L	1.7	3.9	4.3	1.5	13 U	13 U	13 U	1.1	13 U	0.96 I
Chloroform	70	700	ug/L	0.29 U	0.29 U	0.29 U	0.29 U	18 U	18 U	18 U	0.90 U	18 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.32 U	0.32 U	0.32 U	0.32 U	13 U	13 U	23	25	22	19
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	10 U	10 U	10 U	0.50 U	10 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.39 U	0.39 U	0.39 U	0.39 U	8.8 U	8.8 U	8.8 U	5.2	8.8 U	5
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	10 U	10 U	10 U	0.57 I	10 U	0.50 U
Vinyl Chloride	1	100	ug/L	**12**	**1.2**	**2.3**	0.62 I	**1,200**	**1,500**	**2,000**	**1,500**	**2,100**	**1,400**

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-20B 06/19/09	MW-20B 10/20/09	MW-20B 01/07/10	MW-20B 04/13/10	MW-20B 11/03/10	MW-20B 05/25/11	MW-20B 11/29/11	MW-20B 05/08/12
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U	2.5 U [2.5 U]	0.50 U	0.50 U [0.50 U]
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	2.6 U	2.6 U	2.6 U [2.6 U]	0.51 U	0.51 U [0.51 U]
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	2.2 U	2.2 U	2.2 U [2.2 U]	0.44 U	0.44 U [0.44 U]
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U	2.5 U [2.5 U]	0.50 U	0.50 U [0.50 U]
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	2.6 U	2.6 U	2.6 U [2.6 U]	0.52 U	0.52 U [0.52 U]
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U	2.2 U	2.2 U	2.2 U [2.2 U]	0.45 U	0.45 U [0.45 U]
1,2-Dichlorobenzene	600	6,000	ug/L	15	17	19	17	17	30 [30]	31	36 [42]
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	3.2 U	3.2 U	3.2 U [3.2 U]	0.64 U	0.64 U [0.64 U]
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U	0.52 U	2.6 U	2.6 U	2.6 U [2.6 U]	1.4	2.7 [3.0]
Chlorobenzene	100	1,000	ug/L	0.98 I	1.8	2.3	3.2 U	4.2 I	9.2 [8.5]	27	58 [68]
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	4.5 U	4.5 U	4.5 U [4.56 U]	0.90 U	0.90 U [0.90 U]
cis-1,2-Dichloroethene	70	700	ug/L	14	2	1.2	3.2 U	3.2 U	3.2 U [3.2 U]	0.65 U	0.65 U [0.65 U]
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U	2.5 U [2.5 U]	0.50 U	0.50 U [0.50 U]
trans-1,2-Dichloroethene	100	1,000	ug/L	5.1	3.7	4	3.6 I	2.2 U	2.2 U [2.2 U]	0.44 U	0.44 U [0.44 U]
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U	2.5 U [2.5 U]	0.50 U	0.50 U [0.50 U]
Vinyl Chloride	1	100	ug/L	**1,200**	**2,000**	**1,300**	**2,000**	**910**	**1400 [1400]**	**630**	**460 [330]**

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-20B 11/09/12	MW-20B 05/30/13	MW-20B 11/14/13	MW-20B 05/29/14	MW-20B 11/13/14	MW-20B 05/27/15	MW-20B 11/23/15
Benzene	1	100	ug/L	0.59 I [0.62 I]	0.50 U	0.50 U	0.59 I [0.50 U]	0.50 U	0.50 U [0.50 U]	0.50 U [0.50 U]
Toluene	1,000	10,000	ug/L	0.54 I [0.56 I]	0.51 I	0.51 U	0.55 I [0.51 U]	0.51 U	0.51 U [0.51 U]	0.51 U [0.51 U]
Ethylbenzene	700	7,000	ug/L	0.44 U [0.44 U]	0.44 U	0.44 U	0.44 U [0.44 U]	0.44 U	0.44 U [0.44 U]	0.44 U [0.44 U]
Xylenes (total)	10,000	100,000	ug/L	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U [0.50 U]	0.50 U [0.50 U]
1,1-Dichloroethane	70	700	ug/L	0.52 U [0.52 U]	0.52 U	0.52 U	0.52 U [0.52 U]	0.52 U	0.52 U [0.52 U]	0.52 U [0.52 U]
1,1-Dichloroethene	7	70	ug/L	0.45 U [0.45 U]	0.45 U	0.45 U	0.45 U [0.45 U]	0.67 U	0.67 U [0.67 U]	0.67 U [0.67 U]
1,2-Dichlorobenzene	600	6,000	ug/L	34 [34]	31	24	22 [22]	17	20 [20]	13 [14]
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U [0.64 U]	0.64 U	0.64 U	0.64 U [0.75 I]	0.64 U	0.64 U [0.64 U]	0.64 U [0.64 U]
1,4-Dichlorobenzene	75	7,500	ug/L	3.2 [3.6]	6.0	7.0	7.7 [7.4]	6.8	6.1 [6.2]	4.0 [4.5]
Chlorobenzene	100	1,000	ug/L	98 [100]	**130**	**110**	**110 [100]**	82	73 [72]	55 [59]
Chloroform	70	700	ug/L	0.90 U [0.90 U]	0.90 U	0.90 U	0.9 U [0.9 U]	0.90 U	0.90 U [0.90 U]	0.90 U [0.90 U]
cis-1,2-Dichloroethene	70	700	ug/L	0.91 I [2.2]	0.65 U	0.65 U	0.65 U [0.65 U]	0.65 U	0.65 U [0.65 U]	0.65 U [0.65 U]
Tetrachloroethene	3	300	ug/L	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U [0.50 U]	0.50 U [0.50 U]
trans-1,2-Dichloroethene	100	1,000	ug/L	0.46 I [0.44 U]	0.44 U	0.44 U	0.62 I [0.44 U]	0.67 U	0.85 [0.78]	0.67 U [0.67 U]
Trichloroethene	3	300	ug/L	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U [0.50 U]	0.61 U	0.61 U [0.61 U]	0.61 U [0.61 U]
Vinyl Chloride	1	100	ug/L	**310 [270]**	**300**	**130**	**150 [91]**	**44**	**16 [17]**	**4.1 [4.0]**

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-20B 05/25/16	MW-20B 11/30/16	MW-20B 06/01/17	MW-20B 11/08/17	MW-20B 05/24/18	MW-20B 11/07/18
Benzene	1	100	ug/L	0.50 U [0.50 U]	0.50 U [0.50 U]	0.65 I [0.67 I]	0.72 I [0.70 I]	0.81 I [0.88 I]	0.71 I [0.78 I]
Toluene	1,000	10,000	ug/L	0.51 U [0.51 U]	0.51 U [0.51 U]	0.62 I [0.55 I]	0.60 I [0.51 U]	0.81 I [0.83 I]	0.74 I [0.73 I]
Ethylbenzene	700	7,000	ug/L	0.44 U [0.44 U]	0.44 U [0.44 U]	0.44 U [0.44 U]	0.44 U [0.44 U]	0.27 U [0.27 U]	0.27 U [0.27 U]
Xylenes (total)	10,000	100,000	ug/L	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U [0.50 U]
1,1-Dichloroethane	70	700	ug/L	0.52 U [0.52 U]	0.52 U [0.52 U]	0.52 U [0.52 U]	0.32 U [0.32 U]	0.32 U [0.32 U]	0.32 U [0.32 U]
1,1-Dichloroethene	7	70	ug/L	0.67 U [0.67 U]	0.67 U [0.67 U]	0.67 U [0.67 U]	0.26 U [0.26 U]	0.26 U [0.26 U]	0.26 U [0.26 U]
1,2-Dichlorobenzene	600	6,000	ug/L	13 [13]	9.0 [9.0]	15 [15]	16 [17]	22 [23]	18 [17]
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U [0.64 U]	0.64 U [0.64 U]	0.64 U [0.64 U]	0.64 U [0.64 U]	0.98 I [1.0]	0.89 I [0.82 I]
1,4-Dichlorobenzene	75	7,500	ug/L	4.6 [4.7]	2.9 [2.8]	3.7 [3.8]	5.6 [5.6]	11 [12]	9.1 [9.3]
Chlorobenzene	100	1,000	ug/L	54 [52]	38 [38]	**110 [110]**	**150 [150]**	**190 [180]**	**160 [150]**
Chloroform	70	700	ug/L	0.90 U [0.90 U]	0.90 U [0.90 U]	0.90 U [0.90 U]	0.29 U [0.29 U]	0.29 U [0.29 U]	0.29 U [0.29 U]
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U [0.65 U]	0.65 U [0.65 U]	0.65 U [0.65 U]	0.65 U [0.65 U]	0.32 U [0.32 U]	0.32 U [0.32 U]
Tetrachloroethene	3	300	ug/L	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U [0.50 U]
trans-1,2-Dichloroethene	100	1,000	ug/L	1.0 [0.67 U]	0.76 I [0.80 I]	1.8 [1.9]	1.2 [1.1]	1.2 I [1.3 I]	1.3 I [1.3 I]
Trichloroethene	3	300	ug/L	0.61 U [0.61 U]	0.61 U [0.61 U]	0.61 U [0.61 U]	0.61 U [0.61 U]	0.61 U [0.61 U]	0.61 U [0.61 U]
Vinyl Chloride	1	100	ug/L	**4.2 [4.8]**	**11 [11]**	**18 [18]**	**12 [11]**	**9.2 [8.9]**	**5.8 [5.4]**

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-20B 05/10/19	MW-20B 11/20/19	MW-20C 03/05/09	MW-20C 04/02/09	MW-20C 04/08/09	MW-20C 04/14/09	MW-20C 04/20/09	MW-20C 05/21/09
Benzene	1	100	ug/L	0.70 I [0.71 I]	0.47 I[0.45 I]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.68 I [0.75 I]	0.55 I[0.43 I]	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.27 U [0.27 U]	0.27 U[0.27 U]	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U [0.50 U]	0.50 U[0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.32 U [0.32 U]	0.32 U[0.32 U]	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.26 U [0.26 U]	0.26 U[0.26 U]	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	20 [21]	19[17]	2.1	0.75 I	0.52 I	0.66 I	0.44 U	1
1,3-Dichlorobenzene	210	2,100	ug/L	0.93 I [0.97 I]	0.69 I[0.87 I]	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	9.8 [11]	8.1[8.2]	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
Chlorobenzene	100	1,000	ug/L	**140 [150]**	97[95]	2.1	0.63 U	0.63 U	0.63 U	0.63 U	1.2
Chloroform	70	700	ug/L	0.29 U [0.29 U]	0.29 U[0.29 U]	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.32 U [0.32 U]	0.32 U[0.32 U]	2.1	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U [0.50 U]	0.50 U[0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	1.4 I [1.4 I]	1.2 I[1.1 I]	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.61 U [0.61 U]	0.61 U[0.61 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	**6.3 [6.0]**	**4.8[4.7]**	**29**	**10**	**4.4**	**5.7**	**3.8**	**8.1**

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-20C 06/19/09	MW-20C 10/20/09	MW-20C 01/06/10	MW-20C 04/13/10	MW-20C 11/03/10	MW-20C 05/25/11	MW-20C 11/29/11	MW-20C 05/08/12	MW-20C 11/09/12
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U [0.51 U]	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U [0.44 U]	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U [0.52 U]	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U [0.45 U]	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.92 I	0.91 I	1.2 [1.1]	1.2	1.2	1.5	1.6	2.4	1.8
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U [0.64 U]	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U	0.52 U [0.52 U]	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
Chlorobenzene	100	1,000	ug/L	1.1	0.63 U	0.80 I [2.3]	0.63 U	0.63 U	0.78 I	0.63 U	1.1	0.87 I
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U [0.90 U]	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U [0.65 U]	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.44 U [0.44 U]	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	**6.9**	**9.8**	**5.7 [5.5]**	**3.3**	**1.9**	**3.1**	**1.5**	**3.3**	1.0

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-20C 05/30/13	MW-20C 11/14/13	MW-20C 05/29/14	MW-20C 11/13/14	MW-20C 05/27/15	MW-20C 11/23/15	MW-20C 05/25/16	MW-20C 11/30/16	MW-20C 06/01/17	MW-20C 11/08/17
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.26 U
1,2-Dichlorobenzene	600	6,000	ug/L	1.9	2	1.3	1.7	1.8	2.1	2.1	1.5	2.0	1.7
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U	0.52 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.36 U
Chlorobenzene	100	1,000	ug/L	1.2	0.63 U	0.73 I	0.85 I	0.92	1.1	0.87 I	0.63 U	0.79 I	0.67 I
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.9 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.44 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.95 I	1.2	**1.5**	0.71 U	0.71 U	**2.3**	0.74 I	**1.5**	**1.8**	**1.8**

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-20C 05/24/18	MW-20C 11/07/18	MW-20C 05/10/19	MW-20C 11/20/19	MW-21B 03/06/09	MW-21B 04/02/09	MW-21B 04/08/09	MW-21B 04/14/09	MW-21B 04/20/09	MW-21B 05/22/09
Benzene	1	100	ug/L	0.25 U	0.25 U	0.25 U	0.25 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.24 U	0.24 U	0.24 U	0.24 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.27 U	0.27 U	0.27 U	0.27 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.32 U	0.32 U	0.32 U	0.32 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.26 U	0.26 U	0.26 U	0.26 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	1.8	1.6	1.5	1.2	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.26 U	0.26 U	0.26 U	0.26 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.22 U	0.22 U	0.22 U	0.22 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
Chlorobenzene	100	1,000	ug/L	0.79 I	0.77 I	0.27 U	0.33 I	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.29 U	0.29 U	0.29 U	0.29 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.32 U	0.32 U	0.32 U	0.32 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.39 U	0.39 U	0.39 U	0.39 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	0.81 I	0.46 I	0.49 I	0.26 U	0.50 U	0.50 U	0.61 I	0.72 I	0.87 I	0.56 I

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-21B 06/19/09	MW-21C 03/06/09	MW-21C 04/02/09	MW-21C 04/08/09	MW-21C 04/14/09	MW-21C 04/20/09	MW-21C 05/22/09	MW-21C 06/19/09	MW-22A 03/06/09
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U [0.51 U]	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U [0.44 U]	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U [0.52 U]	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U [0.45 U]	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U	0.44 U	0.44 U [0.44 U]	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U [0.64 U]	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U	0.52 U [0.52 U]	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 U [0.63 U]	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U [0.90 U]	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U [0.65 U]	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.44 U [0.44 U]	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	0.56 I	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-22A 04/02/09	MW-22A 04/08/09	MW-22A 04/14/09	MW-22A 04/20/09	MW-22A 05/21/09	MW-22A 06/19/09	MW-22A 10/20/09	MW-22A 01/06/10	MW-22A 04/13/10	MW-22A 11/03/10
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-22A 05/25/11	MW-22A 11/29/11	MW-22A 05/08/12	MW-22A 11/08/12	MW-22A 11/14/13	MW-22A 11/13/14	MW-22A 11/23/15	MW-22A 12/01/16	MW-22A 11/08/17	MW-22A 11/09/18
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.25 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.24 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.27 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.32 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.67 U	0.67 U	0.67 U	0.26 U	0.26 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.49 U	0.49 U	0.49 U	0.49 U	0.24 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.26 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.60 U	0.60 U	0.60 U	0.36 U	0.22 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.27 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.29 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.32 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.67 U	0.67 U	0.67 U	0.67 U	0.39 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.71 U	0.71 U	0.71 U	0.26 U	0.26 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-22A 11/21/19	MW-22B 03/06/09	MW-22B 04/02/09	MW-22B 04/08/09	MW-22B 04/14/09	MW-22B 04/20/09	MW-22B 05/21/09	MW-22B 06/19/09	MW-22B 10/20/09
Benzene	1	100	ug/L	0.25 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.24 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U [0.51 U]	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.27 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U [0.44 U]	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.32 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U [0.52 U]	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.26 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U [0.45 U]	0.45 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.24 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U [0.44 U]	0.44 U	0.44 U	0.44 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.26 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U [0.64 U]	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.22 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U [0.52 U]	0.52 U	0.52 U	0.52 U
Chlorobenzene	100	1,000	ug/L	0.27 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U [0.63 U]	0.63 U	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.29 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U [0.90 U]	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.32 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U [0.65 U]	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.39 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U [0.44 U]	0.44 U	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.61 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	0.26 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-22B 01/06/10	MW-22B 04/13/10	MW-22B 11/03/10	MW-22B 05/25/11	MW-22B 11/29/11	MW-22B 05/08/12	MW-22B 11/08/12	MW-22B 11/14/13	MW-22B 11/13/14	MW-22B 11/23/15
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.67 U	0.67 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.49 U	0.49 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.60 U	0.60 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.67 U	0.67 U
Trichloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.71 U	0.71 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-22B 12/01/16	MW-22B 11/08/17	MW-22B 11/09/18	MW-22B 11/21/19	MW-22C 03/06/09	MW-22C 04/02/09	MW-22C 04/08/09	MW-22C 04/14/09	MW-22C 04/20/09	MW-22C 05/21/09
Benzene	1	100	ug/L	0.50 U	0.50 U	0.25 U	0.25 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.24 U	0.24 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.27 U	0.27 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.32 U	0.32 U	0.32 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.67 U	0.26 U	0.26 U	0.26 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.49 U	0.49 U	0.24 U	0.24 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.26 U	0.26 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.60 U	0.36 U	0.22 U	0.22 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.27 U	0.27 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.90 U	0.29 U	0.29 U	0.29 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.32 U	0.32 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.67 U	0.67 U	0.39 U	0.39 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.61 U	0.61 U	0.61 U	0.61 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	0.71 U	0.26 U	0.26 U	0.26 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-22C 06/19/09	MW-22C 10/20/09	MW-22C 01/06/10	MW-22C 04/13/10	MW-22C 11/03/10	MW-22C 05/25/11	MW-22C 11/29/11	MW-22C 05/08/12	MW-22C 11/08/12
Benzene	1	100	ug/L	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	1,000	10,000	ug/L	0.51 U [0.51 U]	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Ethylbenzene	700	7,000	ug/L	0.44 U [0.44 U]	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U [0.52 U]	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-Dichloroethene	7	70	ug/L	0.45 U [0.45 U]	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U [0.44 U]	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U [0.64 U]	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U [0.52 U]	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
Chlorobenzene	100	1,000	ug/L	0.63 U [0.63 U]	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Chloroform	70	700	ug/L	0.90 U [0.90 U]	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U [0.65 U]	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Tetrachloroethene	3	300	ug/L	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U [0.44 U]	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Trichloroethene	3	300	ug/L	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	1	100	ug/L	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

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APPENDIX C
HISTORICAL ANALYTICAL RESULTS
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	GCTL/ MCL	NADC	Units	MW-22C 11/15/13	MW-22C 11/13/14	MW-22C 11/23/15	MW-22C 12/01/16	MW-22C 11/08/17	MW-22C 11/09/18	MW-22C 11/21/19
Benzene	1	100	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.25 U	0.25 U
Toluene	1,000	10,000	ug/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.24 U	0.24 U
Ethylbenzene	700	7,000	ug/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.27 U	0.27 U
Xylenes (total)	10,000	100,000	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	70	700	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.32 U	0.32 U	0.32 U
1,1-Dichloroethene	7	70	ug/L	0.45 U	0.67 U	0.67 U	0.67 U	0.26 U	0.26 U	0.26 U
1,2-Dichlorobenzene	600	6,000	ug/L	0.44 U	0.49 U	0.49 U	0.49 U	0.49 U	0.24 U	0.24 U
1,3-Dichlorobenzene	210	2,100	ug/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.26 U	0.26 U
1,4-Dichlorobenzene	75	7,500	ug/L	0.52 U	0.60 U	0.60 U	0.60 U	0.36 U	0.22 U	0.22 U
Chlorobenzene	100	1,000	ug/L	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.27 U	0.27 U
Chloroform	70	700	ug/L	0.90 U	0.90 U	0.90 U	0.90 U	0.29 U	0.29 U	0.29 U
cis-1,2-Dichloroethene	70	700	ug/L	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.32 U	0.32 U
Tetrachloroethene	3	300	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	100	1,000	ug/L	0.44 U	0.67 U	0.67 U	0.67 U	0.67 U	0.39 U	0.39 U
Trichloroethene	3	300	ug/L	0.50 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Vinyl Chloride	1	100	ug/L	0.50 U	0.71 U	0.71 U	0.71 U	0.26 U	0.26 U	0.26 U

Footnotes:

Bold - Detected above GCTL
Shaded - Detected above NADC
J - Indicates an estimated value.
J3 - Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria
I - Estimated result < PQL and > MDL
MDL - Method Detection Limit
GCTL/MCL - Groundwater Cleanup Target Levels/Maximum Contaminant Level
NADC - Natural Attenuation Default Concentrations
U - The compound was analyzed for but not detected
D - Compound quantitated using a secondary dilution
PQL - Practical Quantitation Limits
- Samples collected from MW-18A and MW-18B were erroniously labeled in the field during the Novermber 2011 and May 2012 sampling events.

APPENDIX D

Historical MNA Parameters Data

APPENDIX D
HISTORICAL MNA PARAMETER DATA
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-1B	MW-1B	MW-1B	MW-1B	MW-1B	MW-1B	MW-1B	MW-1B	MW-1B	MW-1B	MW-1B	MW-1B
Date Collected:	Units	10/21/09	11/02/10	11/29/11	11/08/12	11/14/13	11/12/14	11/17/15	11/17/15	11/30/16	11/07/17	11/07/18	11/19/19
Total Organic Carbon	mg/L	6.2	8.5	6.9	6.9	4.4	7.3	6.9	6.9	7	7.0	7.1	6.8
Carbon Dioxide	mg/L	0.013 IY	0.099 V	0.071 V	10	4.7 J	7.2	13	13	7.7	8.0	10	12
Ethane	ug/L	0.17 UY	0.17 U	0.17 U	0.55 U	0.55 U	0.55 U	0.75 U	0.75 U	0.55 U	0.55 U	0.55 U	0.75 U
Ethene	ug/L	0.11 UY	0.11 U	0.11 U	0.50 U	0.50 U	0.5 U	0.55 U	0.55 U	0.50 U	0.50 U	0.50 U	0.55 U
Methane	ug/L	0.59 IY	160	74 J3	140	3.3	180	360	360	310	130	96	46
Alkalinity	mg/L	79	150	150	130	110	130	NA	NA	NA	NA	NA	NA
Alkalinity as CaCO3, Hydroxide	mg/L	1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	79	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	1.9	NA	NA	NA	NA	0.10 U	NA	NA	NA	NA	NA	NA
Nitrite Nitrogen	mg/L	0.1 U	NA	NA	NA	NA	0.10 U	NA	NA	NA	NA	NA	NA
Phenolphthalein Alkalinity	mg/L	1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	19	2	1.2	0.68	7.8	0.25 U	NA	NA	NA	NA	NA	NA
Total Nitrate/Nitrite Nitrogen	mg/L	1.9	0.1 U	0.1 U	0.01 U	0.14 I	0.10 U	NA	NA	NA	NA	NA	NA
Total Iron	mg/L	0.60	3.09	0.59	0.34	0.44	0.16	NA	NA	NA	NA	NA	NA
Ferrous Iron	mg/L	0.10	0.55	0.44	0.09	0.15	0.14	NA	NA	NA	NA	NA	NA
Ferric Iron	mg/L	0.50	2.54	0.15	0.25	0.29	0.02	NA	NA	NA	NA	NA	NA
Sulfite	mg/L	NM	1.92	1.28	0.64	1.28	NR	NA	NA	NA	NA	NA	NA

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APPENDIX D
HISTORICAL MNA PARAMETER DATA
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-1C	MW-1C	MW-1C	MW-1C	MW-1C	MW-1C	MW-1C	MW-1C	MW-1C	MW-1C	MW-1C	MW-1D
Date Collected:	Units	10/21/09	11/02/10	11/29/11	11/08/12	11/14/13	11/12/14	11/17/15	11/30/16	11/07/17	11/07/18	11/19/19	10/21/09
Total Organic Carbon	mg/L	4.9	5.1	5.2	3.9	9.8	4.9	4.5	4.9	4.5	4.4	4.4	4.5
Carbon Dioxide	mg/L	0.017 IY	0.024 IV	0.087 V	8.5	22	6.8	9	8.8	12	15	18	0.150 Y
Ethane	ug/L	0.45 IY	0.17 U	0.3 I	0.55 U	0.77 I	7.0	26	10	3.5	16	17	240 Y
Ethene	ug/L	0.11 UY	0.11 U	0.11 U	0.50 U	0.67 I	0.5 U	0.55 U	0.50 U	0.50 U	0.50 U	0.55 U	0.4 IY
Methane	ug/L	85 Y	3	79 J3	66	230	260	350	350	320	330	220	1,500 Y
Alkalinity	mg/L	76	74	170	130	120	150	NA	NA	NA	NA	NA	180
Alkalinity as CaCO3, Hydroxide	mg/L	1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Bicarbonate Alkalinity as CaCO3	mg/L	76	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	180
Carbonate Alkalinity as CaCO3	mg/L	1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Nitrate Nitrogen	mg/L	0.82	NA	NA	NA	NA	0.10 U	NA	NA	NA	NA	NA	0.1 U
Nitrite Nitrogen	mg/L	0.1 U	NA	NA	NA	NA	0.10 U	NA	NA	NA	NA	NA	0.1 U
Phenolphthalein Alkalinity	mg/L	1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Sulfate	mg/L	7.5	11	0.78	7.1	1.0	4.7	NA	NA	NA	NA	NA	0.2 U
Total Nitrate/Nitrite Nitrogen	mg/L	0.82	1.2	0.1 U	0.59	0.10 U	0.10 U	NA	NA	NA	NA	NA	0.1 U
Total Iron	mg/L	1.43	0.22	0.07	0.29	0.28	1.19	NA	NA	NA	NA	NA	0.53
Ferrous Iron	mg/L	0.16	0.02	0.04	0.01	0.24	0.59	NA	NA	NA	NA	NA	0.36
Ferric Iron	mg/L	1.27	0.20	0.03	0.28	0.04	0.60	NA	NA	NA	NA	NA	0.17
Sulfite	mg/L	0.35	2.56	1.28	0.64	3.84	1.28	NA	NA	NA	NA	NA	0.25

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APPENDIX D
HISTORICAL MNA PARAMETER DATA
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	MW-1E	MW-1E
Date Collected:	Units	11/02/10	11/29/11	11/08/12	11/14/13	11/12/14	11/17/15	11/30/16	11/07/17	11/07/18	11/20/19	10/21/09	11/02/10
Total Organic Carbon	mg/L	5	4.7	4.4	4.5	4.3	4.2	4.4	4.2	4.3	4.1	4	4.6
Carbon Dioxide	mg/L	0.170 V	0.160 V	12	7.8	7.3	12	10	12	13	9.4	0.110 Y	0.170 V
Ethane	ug/L	300	140	20	25	91	130	120	150	140	160	12 Y	43
Ethene	ug/L	0.55 U	0.15 I	0.50 U	0.50 U	0.5 U	0.55 U	0.50 U	0.50 U	0.50 U	0.55 U	2.8 Y	1.4
Methane	ug/L	1600	980 J3	210	260	640	830	1,000	1,100	1,400	760	74 Y	270
Alkalinity	mg/L	190	220	210	200	200	NA	NA	NA	NA	NA	170	190
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1 U	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1 U	NA
Nitrate Nitrogen	mg/L	NA	NA	NA	NA	0.10 U	NA	NA	NA	NA	NA	0.1 U	NA
Nitrite Nitrogen	mg/L	NA	NA	NA	NA	0.10 U	NA	NA	NA	NA	NA	0.1 U	NA
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1 U	NA
Sulfate	mg/L	0.2 U	0.22 I J3	0.2 U	0.25 U	0.25 U	NA	NA	NA	NA	NA	3	1.2
Total Nitrate/Nitrite Nitrogen	mg/L	0.1 U	0.1 U	0.01 U	0.10 U	0.10 U	NA	NA	NA	NA	NA	0.1 U	0.1 U
Total Iron	mg/L	2.35	1.95	1.87	0.22	0	NA	NA	NA	NA	NA	0.31	0.61
Ferrous Iron	mg/L	0.36	0.21	1.02	0.15	1.94	NA	NA	NA	NA	NA	0.02	0.17
Ferric Iron	mg/L	1.99	1.74	0.85	0.07	-1.94	NA	NA	NA	NA	NA	0.29	0.44
Sulfite	mg/L	1.92	1.28	1.28	1.92	1.28	NA	NA	NA	NA	NA	0.55	3.84

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APPENDIX D
HISTORICAL MNA PARAMETER DATA
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-1E	MW-1E	MW-1E	MW-1E	MW-1E	MW-1E	MW-1E	MW-1E	MW-1E	MW-1F	MW-1F	MW-1F
Date Collected:	Units	11/29/11	11/08/12	11/14/13	11/12/14	11/18/15	11/30/16	11/07/17	11/07/18	11/20/19	10/21/09	11/02/10	11/29/11
Total Organic Carbon	mg/L	4.1	3.8	4.0	3.8	3.7	3.9	3.8	3.9	4	4.7	6	4.3
Carbon Dioxide	mg/L	0.200 V	17	8.1	12	10	14	11	14	11	0.046 IY	0.035 IV	0.096 V
Ethane	ug/L	77	47	19	170	120	230	150	330	180	0.17 UY	0.17 U	0.17 U
Ethene	ug/L	0.11 U	0.50 U	0.50 U	0.5 U	0.55 U	0.50 U	0.50 U	0.50 U	0.55 U	0.24 IY	0.34 I	0.11 U
Methane	ug/L	320 J3	180	48	330	190	550	250	550	310	81 Y	43	22 J3
Alkalinity	mg/L	210	190	190	200	NA	NA	NA	NA	NA	140	100	230
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	1 U	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	140	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	1 U	NA	NA
Nitrate Nitrogen	mg/L	NA	NA	NA	0.10 U	NA	NA	NA	NA	NA	0.1 U	NA	NA
Nitrite Nitrogen	mg/L	NA	NA	NA	0.10 U	NA	NA	NA	NA	NA	0.1 U	NA	NA
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	1 U	NA	NA
Sulfate	mg/L	1.6	1.7	1.0	1.3	NA	NA	NA	NA	NA	1.7	8.2	2.1
Total Nitrate/Nitrite Nitrogen	mg/L	0.1 U	0.01 U	0.10 U	0.10 U	NA	NA	NA	NA	NA	0.1 U	0.1 U	0.1 U
Total Iron	mg/L	0.16	0.60	0.00	0.01	NA	NA	NA	NA	NA	0.05	0.05	1.58
Ferrous Iron	mg/L	0.05	0.30	0.17	0.53	NA	NA	NA	NA	NA	0.02	0.03	0.80
Ferric Iron	mg/L	0.11	0.30	0.00	-0.52	NA	NA	NA	NA	NA	0.03	0.02	0.78
Sulfite	mg/L	3.84	3.20	4.48	3.84	NA	NA	NA	NA	NA	1.50	1.28	1.28

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APPENDIX D
HISTORICAL MNA PARAMETER DATA
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-1F	MW-1F	MW-1F	MW-1F	MW-1F	MW-1F	MW-1F	MW-1F	MW-3B	MW-3B	MW-3B	MW-3B
Date Collected:	Units	11/08/12	11/14/13	11/12/14	11/18/15	11/30/16	11/07/17	11/07/18	11/20/19	10/21/09	11/02/10	11/30/11	11/08/12
Total Organic Carbon	mg/L	3.8	4.5	3.8	4.8	4.2	3.8	3.9	3.7	5.1	5.7	5.6	5.2
Carbon Dioxide	mg/L	7.4 V	3.1 J	8.1	5.0 U	8.4	8.7	9.5	6.9	0.140 Y	0.130 V	0.160 V	14
Ethane	ug/L	0.55 U	0.55 U	0.94 I	0.75 U	0.55 U	0.55 U	0.55 U	0.75 U	47 Y	3.6	3 J3	2.4
Ethene	ug/L	0.50 U	0.50 U	0.5 U	0.55 U	0.50 U	0.50 U	0.50 U	0.55 U	0.11 UY	0.11 U	0.11 U	0.50 U
Methane	ug/L	8	23	89	74	54	60	91	97	490 Y	120	120 J3	43
Alkalinity	mg/L	160	120	210	NA	NA	NA	NA	NA	120	140	180	160
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	120	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Nitrate Nitrogen	mg/L	NA	NA	0.10 U	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA
Nitrite Nitrogen	mg/L	NA	NA	0.10 U	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Sulfate	mg/L	5.7	0.59	0.25 U	NA	NA	NA	NA	NA	1.2	3.4	4.9 J3	6.9
Total Nitrate/Nitrite Nitrogen	mg/L	0.01 U	0.10 U	0.10 U	NA	NA	NA	NA	NA	0.1 U	0.1 U	0.1 U	0.01 U
Total Iron	mg/L	0.84	0.20	1.47	NA	NA	NA	NA	NA	0.84	0.81	NM	1.23
Ferrous Iron	mg/L	0.16	0.16	0.3	NA	NA	NA	NA	NA	0.21	0.77	0.87	0.84
Ferric Iron	mg/L	0.68	0.04	1.17	NA	NA	NA	NA	NA	0.63	0.04	NC	0.39
Sulfite	mg/L	0.64	3.84	1.28	NA	NA	NA	NA	NA	0.05	1.28	1.28	0.64

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APPENDIX D
HISTORICAL MNA PARAMETER DATA
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-3B	MW-3B	MW-3B	MW-3B	MW-3B	MW-3B	MW-3B	MW-3C	MW-3C	MW-3C	MW-3C	MW-3C
Date Collected:	Units	11/13/13	11/11/14	11/17/15	11/29/16	11/07/17	11/06/18	11/19/19	10/21/09	11/02/10	11/30/11	11/08/12	11/13/13
Total Organic Carbon	mg/L	5.1	4.9	4.8	5.3	5.1	5.2	5.4	5.5	6.5	5.9	5.9	5.7
Carbon Dioxide	mg/L	13	16	17	13	14	14	14	0.094 Y	0.088 V	0.110 V	11	8.1
Ethane	ug/L	1.3	1.1	2.5	0.55 U	0.55 U	0.55 U	0.75 U	6.5 Y	0.53 I	0.5 I J3	0.96 I	0.55 U
Ethene	ug/L	0.50 U	0.5 U	0.55 U	0.50 U	0.50 U	0.50 U	0.55 U	0.11 UY	0.11 U	0.11 U	0.50 U	0.50 U
Methane	ug/L	43	340	440	3	0.97	36	43	81 Y	14	5.8 J3	24	3.5
Alkalinity	mg/L	170	180	NA	NA	NA	NA	NA	150	170	200	180	180
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	150	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	NA	0.10 U	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA
Nitrite Nitrogen	mg/L	NA	0.10 U	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Sulfate	mg/L	13	14	NA	NA	NA	NA	NA	12	3.4	12	16	24
Total Nitrate/Nitrite Nitrogen	mg/L	0.10 U	0.10 U	NA	NA	NA	NA	NA	0.1 U	0.1 U	0.1 U	0.01 U	0.10 U
Total Iron	mg/L	1.11	2.06	NA	NA	NA	NA	NA	0.00	0.24	0.07	0.00	0.07
Ferrous Iron	mg/L	1.01	1.83	NA	NA	NA	NA	NA	0.00	0.06	0.06	0.00	0.04
Ferric Iron	mg/L	0.10	0.23	NA	NA	NA	NA	NA	0.00	0.18	0.01	0.00	0.03
Sulfite	mg/L	1.28	NR	NA	NA	NA	NA	NA	0.30	1.28	1.28	0.64	1.92

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APPENDIX D
HISTORICAL MNA PARAMETER DATA
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-3C	MW-3C	MW-3C	MW-3C	MW-3C	MW-3C	MW-4B	MW-4B	MW-4B	MW-4B	MW-4B	MW-4B
Date Collected:	Units	11/11/14	11/17/15	11/29/16	11/07/17	11/06/18	11/19/19	10/21/09	11/02/10	11/29/11	11/08/12	11/14/13	11/12/14
Total Organic Carbon	mg/L	5.8 [5.9]	7.1	7.5	6.3	7.4	6.4	5.3	5.5	5.5	4.8	4.9	5.1
Carbon Dioxide	mg/L	6.9 [6.5]	11	11	12	12	11	0.210 Y	0.150 V	0.190 V	15	8.0	9.1
Ethane	ug/L	0.55 U [0.55 U]	0.75 U	0.55 U	0.55 U	0.55 U	0.75 U	67 Y	150	69	110	14	6.1
Ethene	ug/L	0.5 U [0.5 U]	0.55 U	0.50 U	0.50 U	0.50 U	0.55 U	0.11 UY	0.11 U	0.11 U	0.50 U	0.50 U	0.5 U
Methane	ug/L	1.6 [1.7]	12	3	2.3	3.9	3.4	580 Y	820	670 J3	1,600	840	510
Alkalinity	mg/L	180 [170]	NA	NA	NA	NA	NA	160	160	190	160	150	160
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	160	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	0.10 U [0.10 U]	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	0.10 U
Nitrite Nitrogen	mg/L	0.10 U [0.10 U]	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	0.10 U
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Sulfate	mg/L	22 [22]	NA	NA	NA	NA	NA	1.8	0.93	0.97	0.2 U	0.25 U	0.25 U
Total Nitrate/Nitrite Nitrogen	mg/L	0.10 U [0.10 U]	NA	NA	NA	NA	NA	0.1 U	0.1 U	0.1 U J3	0.01 U	0.10 U	0.10 U
Total Iron	mg/L	0.05 [0.05]	NA	NA	NA	NA	NA	NM	2.41	2.61	1.39	1.46	1.55
Ferrous Iron	mg/L	0.02 [0.02]	NA	NA	NA	NA	NA	NM	1.96	1.39	1.04	1.21	1.16
Ferric Iron	mg/L	0.03 [0.03]	NA	NA	NA	NA	NA	NM	0.45	1.22	0.35	0.25	0.39
Sulfite	mg/L	NR	NA	NA	NA	NA	NA	0.35	1.28	1.28	0.64	1.28	NR

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APPENDIX D
HISTORICAL MNA PARAMETER DATA
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-4B	MW-4B	MW-4B	MW-4B	MW-4B	MW-4C	MW-4C	MW-4C	MW-4C	MW-4C	MW-4C	MW-4C
Date Collected:	Units	11/17/15	11/29/16	11/07/17	11/06/18	11/19/19	10/21/09	11/02/10	11/29/11	11/08/12	11/14/13	11/12/14	11/17/15
Total Organic Carbon	mg/L	4.5	4.6	4.5	4.1	4.2	8 [5.1]	8	7.7	7.6	7.3	7.5	7.5
Carbon Dioxide	mg/L	12	9.2	10	9.5	9.6	0.240 Y [0.200 Y]	0.210 V	0.260 V	22	17	18	22
Ethane	ug/L	43	130	85	42	110	0.42 IY [77 Y]	0.6 I	0.92 I	2.6	2.2	0.55 U	0.75 U
Ethene	ug/L	0.55 U	0.50 U	0.50 U	0.50 U	0.55 U	0.11 UY [0.11 UY]	0.11 U	0.11 U	0.50 U	0.50 U	0.5 U	0.55 U
Methane	ug/L	720	1,300	690	1,000	1100	180 Y [690 Y]	110	99 J3	140	110	76	74
Alkalinity	mg/L	NA	NA	NA	NA	NA	200 [160]	220	250	230	220	230	NA
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	NA	NA	1 U [1 U]	NA	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	200 [160]	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	1 U [1 U]	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	NA	NA	NA	NA	NA	0.1 U [0.1 U]	NA	NA	NA	NA	0.10 U	NA
Nitrite Nitrogen	mg/L	NA	NA	NA	NA	NA	0.1 U [0.1 U]	NA	NA	NA	NA	0.10 U	NA
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	NA	NA	1 U [1 U]	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	NA	NA	NA	1.3 [2.1]	1.3	1.6	1.8	1.2	1.4	NA
Total Nitrate/Nitrite Nitrogen	mg/L	NA	NA	NA	NA	NA	0.1 U [0.1 U]	0.1 U	0.1 U	0.01 U	0.10 U	0.10 U	NA
Total Iron	mg/L	NA	NA	NA	NA	NA	1.91	1.71	1.69	1.86	1.80	1.92	NA
Ferrous Iron	mg/L	NA	NA	NA	NA	NA	1.33	1.41	1.54	1.24	1.56	1.26	NA
Ferric Iron	mg/L	NA	NA	NA	NA	NA	0.58	0.30	0.15	0.62	0.24	0.66	NA
Sulfite	mg/L	NA	NA	NA	NA	NA	0.30	1.92	1.28	0.64	1.28	NR	NA

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APPENDIX D
HISTORICAL MNA PARAMETER DATA
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-4C	MW-4C	MW-4C	MW-4C	MW-12A	MW-12A	MW-12A	MW-12A	MW-12A	MW-12A	MW-12A	MW-12A
Date Collected:	Units	11/29/16	11/07/17	11/06/18	11/19/19	10/21/09	11/01/10	11/28/11	11/08/12	11/13/13	11/11/14	11/16/15	11/29/16
Total Organic Carbon	mg/L	7.3	6.9	6.5	6.4	3.8	5.8	4.7	3.2	3.3	2.9	3.5	3.6
Carbon Dioxide	mg/L	20	22	22	23	0.036 IY	0.025 IV	0.030 I V	1.8 V	5.5	0.97 J	5.0 U	5.0 U
Ethane	ug/L	0.64 I	0.55 U	3.1	0.75 U	0.17 UY	0.17 U	0.17 U	1.7	0.55 U	0.55 U	0.75 U	0.55 U
Ethene	ug/L	0.50 U	0.50 U	0.50 U	0.55 U	0.11 UY	0.11 U	0.11 U	0.50 U	0.50 U	0.5 U	0.55 U	0.50 U
Methane	ug/L	71	78	140	120	130 Y	110	43 J3	2,100	680	210	79	17
Alkalinity	mg/L	NA	NA	NA	NA	51	64	64	74	70	71	NA	NA
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	51	NA	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	0.10 U	NA	NA
Nitrite Nitrogen	mg/L	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	0.10 U	NA	NA
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	NA	NA	0.2 U	0.99	1	0.2 U	0.43 I	0.25 U	NA	NA
Total Nitrate/Nitrite Nitrogen	mg/L	NA	NA	NA	NA	0.1 U	0.1 U	0.1 U	0.01 U	0.10 U	0.10 U	NA	NA
Total Iron	mg/L	NA	NA	NA	NA	0.20	0.15	0.08	0.10	0.26	0.15	NA	NA
Ferrous Iron	mg/L	NA	NA	NA	NA	0.05	0.15	0.07	0.09	0.19	0.03	NA	NA
Ferric Iron	mg/L	NA	NA	NA	NA	0.15	0.00	0.01	0.01	0.05	0.12	NA	NA
Sulfite	mg/L	NA	NA	NA	NA	1.60	1.92	1.92	1.28	1.28	NR	NA	NA

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APPENDIX D
HISTORICAL MNA PARAMETER DATA
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-12A	MW-12A	MW-12A	MW-12B	MW-12B	MW-12B	MW-12B	MW-12B	MW-12B	MW-12B	MW-12B	MW-12B
Date Collected:	Units	11/06/17	11/05/18	11/19/19	10/21/09	11/01/10	11/28/11	11/08/12	11/13/13	11/11/14	11/16/15	11/29/16	11/06/17
Total Organic Carbon	mg/L	3.9	2.1	3.7	4.8	4.5	5.6	5.3	3.4	5.2	3.2	3.8	4.7
Carbon Dioxide	mg/L	5.0 U	5.0 U	5.0 U	0.025 IY	0.019 IV	0.100 V	11	1.4 J	3.6 J	5.0 U	5.0 U	5.0 U
Ethane	ug/L	0.55 U	0.55 U	0.75 U	8 Y	0.17 U	92	74	0.55 U	8.1	0.75 U	1.3	0.55 U
Ethene	ug/L	0.50 U	0.50 U	0.55 U	0.55 UY	0.11 U	0.11 U	0.50 U	0.50 U	0.5 U	0.55 U	0.50 U	0.50 U
Methane	ug/L	160	900	550	2,900 Y	670	960 J3	1,500	1,600	1,400	180	250	450
Alkalinity	mg/L	NA	NA	NA	75	77	160	150	86	130	NA	NA	NA
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	75	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	NA	NA	NA	0.1 U	NA	NA	NA	NA	0.10 U	NA	NA	NA
Nitrite Nitrogen	mg/L	NA	NA	NA	0.1 U	NA	NA	NA	NA	0.10 U	NA	NA	NA
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	NA	0.2 U	0.42 I	1.2	0.2 U	0.33 I	0.25 U	NA	NA	NA
Total Nitrate/Nitrite Nitrogen	mg/L	NA	NA	NA	0.1 U	0.1 U	0.1 U	0.01 U	0.10 U	0.10 U	NA	NA	NA
Total Iron	mg/L	NA	NA	NA	0.30	0.19	0.44	0.56	0.25	0.42	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	NA	0.12	0.11	0.30	0.40	0.23	0.33	NA	NA	NA
Ferric Iron	mg/L	NA	NA	NA	0.18	0.08	0.14	0.16	0.02	0.09	NA	NA	NA
Sulfite	mg/L	NA	NA	NA	1.10	1.28	1.28	0.64	2.56	NR	NA	NA	NA

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APPENDIX D
HISTORICAL MNA PARAMETER DATA
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-12B	MW-12B	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A
Date Collected:	Units	11/05/18	11/19/19	10/21/09	11/04/10	11/28/11	11/08/12	11/13/13	11/11/14	11/16/15	11/29/16	11/06/17	11/05/18
Total Organic Carbon	mg/L	3.5	4.6	18	17	8.7	15	24	25	11	11	52	35
Carbon Dioxide	mg/L	5.0 U	5.0 U	1.50 Y	1.5	2.30 V	190	92	130	160	160	200	190
Ethane	ug/L	0.55 U	0.75 U	0.17 UY	0.17 U	0.17 U	0.55 U	0.55 U	0.55 U	0.75 U	1.3	0.55 U	0.55 U
Ethene	ug/L	0.50 U	0.55 U	0.11 UY	0.45 I	0.11 U	0.50 U	0.50 U	0.5 U	0.82 I	0.54 I	0.50 U	0.50 U
Methane	ug/L	1,900	1100	12 Y	28	28 J3	5.1	2.6	11	110	110	13	13
Alkalinity	mg/L	NA	NA	61	59	13	37	130	130	NA	NA	NA	NA
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	61	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	NA	NA	0.1 U	NA	NA	NA	NA	0.10 U	NA	NA	NA	NA
Nitrite Nitrogen	mg/L	NA	NA	0.1 U	NA	NA	NA	NA	0.10 U	NA	NA	NA	NA
Phenolphthalein Alkalinity	mg/L	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	32	31	30	26	5.6	19	NA	NA	NA	NA
Total Nitrate/Nitrite Nitrogen	mg/L	NA	NA	0.1 U	0.1 U	0.1 U	0.01 U	0.10 U	0.10 U	NA	NA	NA	NA
Total Iron	mg/L	NA	NA	2.61	1.35	3.30	3.30	1.83	0.54	NA	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	2.55	1.32	3.30	3.22	1.69	0.76	NA	NA	NA	NA
Ferric Iron	mg/L	NA	NA	0.06	0.03	0.00	0.08	0.14	-0.22	NA	NA	NA	NA
Sulfite	mg/L	NA	NA	1.45	2.56	1.92	1.28	1.92	NR	NA	NA	NA	NA

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APPENDIX D
HISTORICAL MNA PARAMETER DATA
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-13A	MW-13B	MW-13B	MW-13B	MW-13B	MW-13B	MW-13B	MW-13B	MW-13B	MW-13B	MW-13B	MW-13B
Date Collected:	Units	11/18/19	10/21/09	11/04/10	11/28/11	11/08/12	11/13/13	11/11/14	11/16/15	11/29/16	11/06/17	11/05/18	11/18/19
Total Organic Carbon	mg/L	19	4.1	5.2	3.7	3.3 [3.3]	3.6	3.4	2.9	3.3	2.9	3.0	2.8
Carbon Dioxide	mg/L	160	0.200 Y	0.21	0.150 V	11 [11]	8.1	7.9	8.1	9	7.4	7.4	6.7
Ethane	ug/L	0.75 U	1,600 Y	480	65	3.8 [4.2]	7.0	34	26	390	0.55 U	2.5	0.75 U
Ethene	ug/L	0.55 U	2.3 IY	1.1 U	0.11 U	0.50 U [0.50 U]	0.50 U	9.9	0.55 U	14	0.50 U	0.50 U	0.55 U
Methane	ug/L	13	4,000 Y	1800	200 J3	24 [26]	21	180	140	700	41	74	97
Alkalinity	mg/L	NA	180	180	170	160 [160]	150	170	NA	NA	NA	NA	NA
Alkalinity as CaCO3, Hydroxide	mg/L	NA	1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	NA	0.1 U	NA	NA	NA	NA	0.10 U	NA	NA	NA	NA	NA
Nitrite Nitrogen	mg/L	NA	0.1 U	NA	NA	NA	NA	0.10 U	NA	NA	NA	NA	NA
Phenolphthalein Alkalinity	mg/L	NA	1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	0.2 U	0.26 I	9.2	15 [14]	7.4	8	NA	NA	NA	NA	NA
Total Nitrate/Nitrite Nitrogen	mg/L	NA	0.1 U	0.1 U	0.1 U	0.01 U [0.01 U]	0.10 U	0.10 U	NA	NA	NA	NA	NA
Total Iron	mg/L	NA	1.60	1.76	1.13	0.93	0.94	0.9	NA	NA	NA	NA	NA
Ferrous Iron	mg/L	NA	0.97	1.45	0.83	0.70	0.81	0.73	NA	NA	NA	NA	NA
Ferric Iron	mg/L	NA	0.63	0.31	0.30	0.23	0.13	0.17	NA	NA	NA	NA	NA
Sulfite	mg/L	NA	0.40	NM	1.28	1.28	1.28	NR	NA	NA	NA	NA	NA

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APPENDIX D
HISTORICAL MNA PARAMETER DATA
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-13C	MW-13C	MW-13C	MW-13C	MW-13C	MW-13C	MW-13C	MW-13C	MW-13C	MW-13C	MW-13C
Date Collected:	Units	10/21/09	11/04/10	11/28/11	11/08/12	11/13/13	11/11/14	11/16/15	11/29/16	11/06/17	11/05/18	11/18/19
Total Organic Carbon	mg/L	3.6	4.2 [4.1]	3.9	3.8	3.6 [3.5]	3.9	4.0 [4.0]	4.3	4.2	4.0	4.0
Carbon Dioxide	mg/L	0.120 Y	0.110 [0.110]	0.150 V	13	9.4 [8.2]	3.6 J	9.7 [9.1]	9.3	9.9	9.7	54
Ethane	ug/L	100 Y	72 [79]	120	110	110 [85]	52	120 [120]	100	18	44	89
Ethene	ug/L	0.11 UY	0.11 U [0.11 U]	0.11 U	0.50 U	0.50 U [0.50 U]	2.2	12 [12]	6.6	0.50 U	30	5.3
Methane	ug/L	99 Y	91	170 J3	160	150 [120]	86	140 [150]	170	83	96	140
Alkalinity	mg/L	150	150	180	160	160 [160]	160	NA	NA	NA	NA	NA
Alkalinity as CaCO3, Hydroxide	mg/L	1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	150	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	0.1 U	NA	NA	NA	NA	0.10 U	NA	NA	NA	NA	NA
Nitrite Nitrogen	mg/L	0.1 U	NA	NA	NA	NA	0.10 U	NA	NA	NA	NA	NA
Phenolphthalein Alkalinity	mg/L	1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	1.5	2.4	3.6	5.5	5.6 [5.6]	6.5	NA	NA	NA	NA	NA
Total Nitrate/Nitrite Nitrogen	mg/L	0.1 U	0.1 U [0.1 U]	0.1 U	0.01 U	0.10 U [0.10 U]	0.10 U	NA	NA	NA	NA	NA
Total Iron	mg/L	0.39	0.25	0.21	0.15	0.23	0.26	NA	NA	NA	NA	NA
Ferrous Iron	mg/L	0.31	0.24	0.21	0.11	0.20	0.14	NA	NA	NA	NA	NA
Ferric Iron	mg/L	0.08	0.01	0.00	0.04	0.03	0.12	NA	NA	NA	NA	NA
Sulfite	mg/L	0.40	1.28	1.28	0.64	1.92	NR	NA	NA	NA	NA	NA

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APPENDIX D
HISTORICAL MNA PARAMETER DATA
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-14A	MW-14A	MW-14A	MW-14A	MW-14A	MW-14A	MW-14A	MW-14A	MW-14A	MW-14A	MW-14A	MW-14B
Date Collected:	Units	10/19/09	11/01/10	11/28/11	11/08/12	11/13/13	11/10/14	11/16/15	11/28/16	11/06/17	11/05/18	11/18/19	10/19/09
Total Organic Carbon	mg/L	8.4	12	18	12	8.6	9.5	14	26	15	13	7.0	5.4
Carbon Dioxide	mg/L	0.86	0.580 V	1.80 V	84	61	53	83	110	76	88	8.2	0.087
Ethane	ug/L	0.17 U	0.17 U	0.17 U	0.55 U	0.55 U	0.55 U	0.75 U	0.55 U	0.55 U	0.55 U	0.75 U	0.17 U
Ethene	ug/L	0.11 U	0.11 U	0.11 U	0.50 U	0.50 U	0.5 U	0.55 U	0.50 U	0.50 U	0.50 U	0.55 U	0.11 U
Methane	ug/L	13	19	22 J3	6.9	6.5	4.8	130	120	31	29	14	1.3
Alkalinity	mg/L	100	95	75	66	85	100	NA	NA	NA	NA	NA	130
Alkalinity as CaCO3, Hydroxide	mg/L	1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Bicarbonate Alkalinity as CaCO3	mg/L	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	130
Carbonate Alkalinity as CaCO3	mg/L	1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Nitrate Nitrogen	mg/L	0.1 U	NA	NA	NA	NA	0.10 U	NA	NA	NA	NA	NA	0.1 U
Nitrite Nitrogen	mg/L	0.1 U	NA	NA	NA	NA	0.10 U	NA	NA	NA	NA	NA	0.1 U
Phenolphthalein Alkalinity	mg/L	1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1 U
Sulfate	mg/L	12	7.3 J3	31	27	5.0	15	NA	NA	NA	NA	NA	4
Total Nitrate/Nitrite Nitrogen	mg/L	0.1 U	0.1 U	0.1 U	0.01 U	0.11 I	0.10 U	NA	NA	NA	NA	NA	0.1 U
Total Iron	mg/L	0.50	0.47	0.45	0.33	0.29	0.27	NA	NA	NA	NA	NA	0.73
Ferrous Iron	mg/L	0.37	0.34	0.44	0.29	0.29	0.32	NA	NA	NA	NA	NA	0.31
Ferric Iron	mg/L	0.13	0.13	0.01	0.04	0.00	-0.05	NA	NA	NA	NA	NA	0.42
Sulfite	mg/L	0.20	1.92	1.28	1.28	2.56	NR	NA	NA	NA	NA	NA	0.00

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APPENDIX D
HISTORICAL MNA PARAMETER DATA
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-14B	MW-14B	MW-14B	MW-14B	MW-14B	MW-14B	MW-14B	MW-14B	MW-14B	MW-14B	MW-14C	MW-14C
Date Collected:	Units	11/01/10	11/28/11	11/08/12	11/13/13	11/10/14	11/16/15	11/28/16	11/06/17	11/05/18	11/18/19	10/19/09	11/01/10
Total Organic Carbon	mg/L	6.1	6.8	4.5	4.7	3.9	5	4.3	3.7	3.4	3.3	3.4	3.8
Carbon Dioxide	mg/L	0.094 V	0.190 V	9	5.2	2.9 J	9.9	5.0 U	5.0 U	5.0 U	5.0 U	0.052	0.052 V
Ethane	ug/L	0.17 U	0.17 U	0.55 U	0.55 U	0.55 U	0.75 U	0.55 U	0.55 U	0.55 U	0.75 U	0.17 U	0.17 U
Ethene	ug/L	0.11 U	0.11 U	0.50 U	0.50 U	0.5 U	0.55 U	0.50 U	0.50 U	0.50 U	0.55 U	0.11 U	0.11 U
Methane	ug/L	7.6	3 J3	3.2	8.1	0.7	1.2	1.1	1.1	21	3.2	4.8	5.6
Alkalinity	mg/L	150	200	140	130	120	NA	NA	NA	NA	NA	120	130
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1 U	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	120	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1 U	NA
Nitrate Nitrogen	mg/L	NA	NA	NA	NA	0.10 U	NA	NA	NA	NA	NA	0.1 U	NA
Nitrite Nitrogen	mg/L	NA	NA	NA	NA	0.10 U	NA	NA	NA	NA	NA	0.1 U	NA
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1 U	NA
Sulfate	mg/L	6.6	13	8.7	6.2	5.5	NA	NA	NA	NA	NA	5.9	5.3
Total Nitrate/Nitrite Nitrogen	mg/L	0.1 U	0.1 U	0.01 U	0.10 U	0.10 U	NA	NA	NA	NA	NA	0.1 U	0.1 U
Total Iron	mg/L	1.99	1.05	0.69	2.04	0.4	NA	NA	NA	NA	NA	0.40	0.04
Ferrous Iron	mg/L	0.38	0.50	0.03	0.74	1.24	NA	NA	NA	NA	NA	0.40	0.02
Ferric Iron	mg/L	1.61	0.55	0.66	1.30	-0.8	NA	NA	NA	NA	NA	0.00	0.02
Sulfite	mg/L	1.28	2.56	1.28	1.92	NR	NA	NA	NA	NA	NA	0.00	1.28

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APPENDIX D
HISTORICAL MNA PARAMETER DATA
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-14C	MW-14C	MW-14C	MW-14C	MW-14C	MW-14C	MW-14C	MW-14C	MW-14C	MW-18A	MW-18A	MW-18A
Date Collected:	Units	11/28/11	11/08/12	11/13/13	11/11/14	11/16/15	11/29/16	11/06/17	11/05/18	11/18/19	10/21/09	11/03/10	11/30/11
Total Organic Carbon	mg/L	3.8	3.6	3.7	3.8	3.5	3.6	3.3	3.1	2.8	10	12	5
Carbon Dioxide	mg/L	0.072 V	6.2 V	3.7 J	3.4 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.240 Y	0.12	0.320 V
Ethane	ug/L	0.17 U	0.55 U	0.55 U	0.55 U	0.75 U	0.55 U	0.55 U	0.55 U	0.75 U	0.32 IY	0.19 I	0.17 I J3
Ethene	ug/L	0.11 U	0.50 U	0.50 U	0.5 U	0.55 U	0.50 U	0.50 U	0.50 U	0.55 U	0.15 IY	0.12 I	0.11 U
Methane	ug/L	6.9 J3	4.4	2.8	1.7	4.4	77	9.7	12	3.3	96 Y	64	51 J3
Alkalinity	mg/L	140	130	130	140	NA	NA	NA	NA	NA	190	180	270
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	1 U	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	190	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	1 U	NA	NA
Nitrate Nitrogen	mg/L	NA	NA	NA	0.10 U	NA	NA	NA	NA	NA	0.1 U	NA	NA
Nitrite Nitrogen	mg/L	NA	NA	NA	0.10 U	NA	NA	NA	NA	NA	0.1 U	NA	NA
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	1 U	NA	NA
Sulfate	mg/L	5.3	6.1	5.9	6.2	NA	NA	NA	NA	NA	1.3	2.7	6.4
Total Nitrate/Nitrite Nitrogen	mg/L	0.1 U	0.01 U	0.10 U	0.10 U	NA	NA	NA	NA	NA	0.1 U	0.1 U	0.1 U
Total Iron	mg/L	0.03	0.05	0.17	0.08	NA	NA	NA	NA	NA	1.32	2.61	0.25
Ferrous Iron	mg/L	0.02	0.03	0.00	0.03	NA	NA	NA	NA	NA	1.30	2.28	0.07
Ferric Iron	mg/L	0.01	0.02	0.17	0.05	NA	NA	NA	NA	NA	0.02	0.33	0.18
Sulfite	mg/L	1.92	1.28	1.28	NR	NA	NA	NA	NA	NA	0.50	1.92	1.92

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APPENDIX D
HISTORICAL MNA PARAMETER DATA
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-18A	MW-18A	MW-18A	MW-18A	MW-18A	MW-18A	MW-18A	MW-18A	MW-18B	MW-18B	MW-18B	MW-18B
Date Collected:	Units	11/08/12	11/15/13	11/13/14	11/24/15	12/02/16	11/09/17	11/11/18	11/22/19	10/21/09	11/03/10	11/30/11	11/08/12
Total Organic Carbon	mg/L	8.8	6.0	6.3	6.3	7.3	6.5	5.5	5.2	5.6	5.6	8.2	4.7
Carbon Dioxide	mg/L	21	5.4	10	5.4	7.3	8.4	9.7	8.3	0.200 Y	0.24	0.150 V	23
Ethane	ug/L	0.55 U	0.55 U	0.55 U	0.75 U	0.63 I	0.55 U	0.55 U	0.75 U	0.17 UY	0.17 U	0.21 I J3	0.55 U
Ethene	ug/L	0.50 U	0.50 U	0.5 U	0.55 U	0.50 U	0.50 U	0.50 U	0.55 U	3.4 Y	0.11 U	0.11 U	0.50 U
Methane	ug/L	49	26	21	96	230	4.7	7.3	4.1	20 Y	55	96 J3	98
Alkalinity	mg/L	190	110	130	NA	NA	NA	NA	NA	200	220	190	230
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	200	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Nitrate Nitrogen	mg/L	NA	NA	0.10 U	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA
Nitrite Nitrogen	mg/L	NA	NA	0.10 U	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	1 U	NA	NA	NA
Sulfate	mg/L	3.1	0.53	1.7	NA	NA	NA	NA	NA	30	11	0.48 I	3.3
Total Nitrate/Nitrite Nitrogen	mg/L	0.01 U	0.10 U	0.10 U	NA	NA	NA	NA	NA	0.1 U	0.1 U	0.1 U	0.01 U
Total Iron	mg/L	1.89	0.68	0.41	NA	NA	NA	NA	NA	1.93	0.14	1.88	0.19
Ferrous Iron	mg/L	1.35	0.63	0.79	NA	NA	NA	NA	NA	1.58	0.11	1.68	0.11
Ferric Iron	mg/L	0.54	0.05	-0.38	NA	NA	NA	NA	NA	0.35	0.03	0.20	0.08
Sulfite	mg/L	0.64	1.28	1.28	NA	NA	NA	NA	NA	0.35	6.40	1.28	2.56

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APPENDIX D
HISTORICAL MNA PARAMETER DATA
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-18B	MW-18B	MW-18B	MW-18B	MW-18B	MW-18B	MW-18B	MW-18C	MW-18C	MW-18C	MW-18C	MW-18C
Date Collected:	Units	11/15/13	11/13/14	11/24/15	12/02/16	11/09/17	11/11/18	11/22/19	10/21/09	11/03/10	11/30/11	11/08/12	11/15/13
Total Organic Carbon	mg/L	4.6	6.3	5.3	5.8	4.2	3.6	4.2	9.6	7.7	4.6	3.9	4.4
Carbon Dioxide	mg/L	16	18	24	20	14	17	14	0.063 Y	0.11	0.140 V	13	9.0
Ethane	ug/L	0.55 U	0.55 U	0.75 U	0.55 U	0.55 U	0.55 U	0.75 U	2.8 Y	2.4	1.4 J3	0.55 U	0.65 I
Ethene	ug/L	0.50 U	0.5 U	0.55 U	0.50 U	0.50 U	0.50 U	0.55 U	0.56 IY	0.11 U	0.11 U	0.50 U	0.50 U
Methane	ug/L	93	72	170	12	25	59	48	670 Y	500	620 J3	8,400	610
Alkalinity	mg/L	200	120	NA	NA	NA	NA	NA	100	140	170	180	170
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	100	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	NA	0.10 U	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA
Nitrite Nitrogen	mg/L	NA	0.10 U	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Sulfate	mg/L	3.3	10	NA	NA	NA	NA	NA	0.63	0.37 I	0.2 U	0.2 U	0.25 U
Total Nitrate/Nitrite Nitrogen	mg/L	0.10 U	0.10 U	NA	NA	NA	NA	NA	0.1 U	0.1 U	0.1 U	0.01 U	0.10 U
Total Iron	mg/L	0.55	0.21	NA	NA	NA	NA	NA	1.12	3.30	1.63	1.74	0.65
Ferrous Iron	mg/L	0.56	0.14	NA	NA	NA	NA	NA	0.60	1.73	1.32	1.48	0.58
Ferric Iron	mg/L	0.00	0.07	NA	NA	NA	NA	NA	0.52	1.57	0.31	0.26	0.07
Sulfite	mg/L	1.92	2.56	NA	NA	NA	NA	NA	0.20	3.90	1.92	1.28	1.92

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APPENDIX D
HISTORICAL MNA PARAMETER DATA
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-18C	MW-18C	MW-18C	MW-18C	MW-18C	MW-18C	MW-19A	MW-19A	MW-19A	MW-19A	MW-19A	MW-19A
Date Collected:	Units	11/13/14	11/24/15	12/02/16	11/09/17	11/11/18	11/22/19	10/20/09	11/03/10	11/30/11	11/08/12	11/15/13	11/14/14
Total Organic Carbon	mg/L	3.7	3.3	3.3	3.3	2.7	3.1	8.9	8.6	12	9.3	7.6	6.9
Carbon Dioxide	mg/L	6.9	8.6	9.2	7.2	8.6	8.4	0.180 V	0.27	0.290 V	29	8.2	11
Ethane	ug/L	0.63 I	0.75 U	0.55 U	0.55 U	0.55 U	0.75 U	0.27 I	0.17 U	7.6 J3	12	0.55 U	0.55 U
Ethene	ug/L	0.5 U	0.55 U	0.50 U	0.50 U	0.50 U	0.55 U	0.11 U	0.11 U	0.11 U	0.50 U	0.50 U	0.5 U
Methane	ug/L	630	860	800	530	1,200	930	250	180	150 J3	89	54	52
Alkalinity	mg/L	180	NA	NA	NA	NA	NA	160	210	230	220	150	170
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	160	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	0.10 U	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	0.10 U
Nitrite Nitrogen	mg/L	0.10 U	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	0.10 U
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	NA	NA	NA	1 U	NA	NA	NA	NA	NA
Sulfate	mg/L	0.25 U	NA	NA	NA	NA	NA	21	13 J3	14	10	8.0	13
Total Nitrate/Nitrite Nitrogen	mg/L	0.10 U	NA	NA	NA	NA	NA	0.1 U	0.1 U	0.1 U	0.01 U	0.10 U	0.10 U
Total Iron	mg/L	1.61	NA	NA	NA	NA	NA	1.35	1.46	1.58	1.46	0.83	0.94
Ferrous Iron	mg/L	1	NA	NA	NA	NA	NA	0.87	1.32	1.32	1.31	0.65	0.65
Ferric Iron	mg/L	0.61	NA	NA	NA	NA	NA	0.48	0.14	0.26	0.15	0.18	0.29
Sulfite	mg/L	3.84	NA	NA	NA	NA	NA	0.20	1.28	1.28	0.64	1.28	1.28

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APPENDIX D
HISTORICAL MNA PARAMETER DATA
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-19A	MW-19A	MW-19A	MW-19A	MW-19A	MW-19B	MW-19B	MW-19B	MW-19B	MW-19B	MW-19B	MW-19B
Date Collected:	Units	11/24/15	12/01/16	11/09/17	11/09/18	11/21/19	10/20/09	11/03/10	11/30/11	11/08/12	11/15/13	11/14/14	11/24/15
Total Organic Carbon	mg/L	8.3	10	9.6	7.6	8	8	8.2	8.1	7.6	7.7	8.8 [8.8]	8.4 [8.4]
Carbon Dioxide	mg/L	20	17	16	32	2.7	0.250 V	0.22	0.250 V	22	13	13 [14]	16 [16]
Ethane	ug/L	0.75 U	0.55 U	0.55 U	0.55 U	0.75 U	14	9.9	3.3 J3	2.1	2.0	0.55 U [0.55 U]	0.80 I [0.92 I]
Ethene	ug/L	0.55 U	0.50 U	0.50 U	0.50 U	0.55 U	0.11 U	0.11 U	0.11 U	0.50 U	0.50 U	0.5 U [0.57 I]	2.1 [2.1]
Methane	ug/L	34	53	350	130	270	57	36	45 J3	43	34	84 [100]	95 [96]
Alkalinity	mg/L	NA	NA	NA	NA	NA	200	220	260	230	210	210 [210]	NA
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	NA	NA	1 U	NA	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	200	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	1 U	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	0.10 U [0.10 U]	NA
Nitrite Nitrogen	mg/L	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	0.10 U [0.10 U]	NA
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	NA	NA	1 U	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	NA	NA	NA	2.1	2.8	3.9	3.8	2.4	2.6 [2.6]	NA
Total Nitrate/Nitrite Nitrogen	mg/L	NA	NA	NA	NA	NA	0.1 U	0.1 U	0.1 U	0.01 U	0.10 U	0.10 U [0.10 U]	NA
Total Iron	mg/L	NA	NA	NA	NA	NA	1.67	0.13	1.52	1.49	1.35	1.36	NA
Ferrous Iron	mg/L	NA	NA	NA	NA	NA	1.30	0.10	1.36	1.13	1.25	0.87	NA
Ferric Iron	mg/L	NA	NA	NA	NA	NA	0.37	0.03	0.16	0.36	0.10	0.49	NA
Sulfite	mg/L	NA	NA	NA	NA	NA	0.10	2.56	1.92	0.64	1.92	1.28	NA

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APPENDIX D
HISTORICAL MNA PARAMETER DATA
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-19B	MW-19B	MW-19B	MW-19B	MW-19C	MW-19C	MW-19C	MW-19C	MW-19C	MW-19C	MW-19C	MW-19C
Date Collected:	Units	12/01/16	11/09/17	11/09/18	11/21/19	10/20/09	11/04/10	11/30/11	11/08/12	11/15/13	11/14/14	11/24/15	12/01/16
Total Organic Carbon	mg/L	7.9	8.3	8.5	8.7	6.9	7.6	7.5	6.9	6.8 [6.6]	6.5	6	6.1 [6.1]
Carbon Dioxide	mg/L	17	14	18	18	0.170 V	0.14	0.180 V	20	16 [16]	16	20	20 [20]
Ethane	ug/L	1.2	0.55 U	0.83 I	0.75 U	0.72 I	0.31 I	0.35 I J3	0.55 U	0.55 U [2.3]	0.55 U	0.75 U	0.55 U [0.55 U]
Ethene	ug/L	2.1	0.50 U	0.50 U	0.55 U	0.82 I	0.43 I	3.3	6.4	0.53 I [2.5]	0.5 U	0.55 U	0.50 U [0.50 U]
Methane	ug/L	52	43	67	82	29	23	32 J3	33	17 [54]	34	72	44 [46]
Alkalinity	mg/L	NA	NA	NA	NA	180	200	250	230	230 [230]	250	NA	NA
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	180	NA	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	0.10 U	NA	NA
Nitrite Nitrogen	mg/L	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	0.10 U	NA	NA
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	NA	NA	11	9.4	8	7.9	6.9 [7.6]	7.4	NA	NA
Total Nitrate/Nitrite Nitrogen	mg/L	NA	NA	NA	NA	0.1 U	0.1 U	0.1 U	0.01 U	0.10 U [0.10 U]	0.10 U	NA	NA
Total Iron	mg/L	NA	NA	NA	NA	0.27	0.39	0.73	0.92	0.30	0.59	NA	NA
Ferrous Iron	mg/L	NA	NA	NA	NA	0.24	0.37	0.59	0.69	0.25	0.66	NA	NA
Ferric Iron	mg/L	NA	NA	NA	NA	0.03	0.02	0.14	0.23	0.05	-0.07	NA	NA
Sulfite	mg/L	NA	NA	NA	NA	0.45	1.28	2.56	0.64	1.92	1.92	NA	NA

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APPENDIX D
HISTORICAL MNA PARAMETER DATA
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	Units	MW-19C 11/09/17	MW-19C 11/09/18	MW-19C 11/21/19	MW-19D 10/20/09	MW-19D 11/04/10	MW-19D 11/30/11	MW-19D 11/08/12	MW-19D 11/15/13	MW-19D 11/14/14	MW-19D 11/24/15
Total Organic Carbon	mg/L	6.0 [6.3]	5.9 [5.8]	6.2 [6.1]	3.5	4 [3.9]	4 [3.6]	3.3	3.3	3.3	3.2
Carbon Dioxide	mg/L	19 [19]	18 [19]	16 [17]	0.120 V	0.120 [0.120]	0.140 V [0.140 V]	14	10	9.2	11
Ethane	ug/L	0.55 U [0.55 U]	0.55 U [0.55 U]	0.75 U [0.75 U]	0.2 I	0.52 I [0.56 I]	0.17 I J3 [0.23 I J3]	0.55 U	0.55 U	0.55 U	0.75 U
Ethene	ug/L	0.50 U [0.50 U]	0.50 U [0.50 U]	0.55 U [0.55 U]	0.11 U	0.11 U [0.11 U]	0.11 U [0.11 U]	0.50 U	0.50 U	0.5 U	0.55 U
Methane	ug/L	51 [58]	61 [54]	74 [79]	450	410	340 J3 [480 J3]	310	540	410	670
Alkalinity	mg/L	NA [NA]	NA [NA]	NA [NA]	170	190	220 [220]	200	190	200	NA
Alkalinity as CaCO3, Hydroxide	mg/L	NA [NA]	NA [NA]	NA [NA]	1 U	NA	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA [NA]	NA [NA]	NA [NA]	170	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA [NA]	NA [NA]	NA [NA]	1 U	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	NA [NA]	NA [NA]	NA [NA]	0.1 U	NA	NA	NA	NA	0.10 U	NA
Nitrite Nitrogen	mg/L	NA [NA]	NA [NA]	NA [NA]	0.1 U	NA	NA	NA	NA	0.10 U	NA
Phenolphthalein Alkalinity	mg/L	NA [NA]	NA [NA]	NA [NA]	1 U	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA [NA]	NA [NA]	NA [NA]	0.2 U	0.2 U	0.2 U [0.2 U]	0.2 U	0.25 U	0.40 U	NA
Total Nitrate/Nitrite Nitrogen	mg/L	NA [NA]	NA [NA]	NA [NA]	0.1 U	0.1 U [0.1 U]	0.1 U [0.1 U]	0.01 U	0.10 U	0.10 U	NA
Total Iron	mg/L	NA [NA]	NA [NA]	NA [NA]	0.37	0.92	0.35	0.28	0.29	0.17	NA
Ferrous Iron	mg/L	NA [NA]	NA [NA]	NA [NA]	0.34	0.22	0.27	0.26	0.16	0.7	NA
Ferric Iron	mg/L	NA [NA]	NA [NA]	NA [NA]	0.03	0.70	0.08	0.02	0.13	-0.53	NA
Sulfite	mg/L	NA [NA]	NA [NA]	NA [NA]	0.35	4.48	1.92	0.64	1.28	1.28	NA

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APPENDIX D
HISTORICAL MNA PARAMETER DATA
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-19D	MW-19D	MW-19D	MW-19D	MW-20A	MW-20A	MW-20A	MW-20A	MW-20A	MW-20A	MW-20A	MW-20A
Date Collected:	Units	12/01/16	11/09/17	11/09/18	11/21/19	10/20/09	11/03/10	11/29/11	11/08/12	11/14/13	11/12/14	11/23/15	11/30/16
Total Organic Carbon	mg/L	3.4	3.2	3.0	3.1	9.4 [9.5]	10	8.4	9.3	12	9.7	7.6 J3	8.6
Carbon Dioxide	mg/L	11	9.1	10	9.7	0.220 V [0.250 V]	0.19	0.270 V	24	22	21	24	21
Ethane	ug/L	0.55 U	0.55 U	0.55 U	0.75 U	5.4 [7]	6	37	3.7	1.9	7.5	7	5.6
Ethene	ug/L	0.50 U	0.50 U	0.50 U	0.55 U	0.16 I [0.12 I]	0.17 I	0.11 U	0.50 U	0.50 U	0.5 U	0.55 U	0.50 U
Methane	ug/L	980	540	880	770	74 [97]	100	240	64	63	140	55	97
Alkalinity	mg/L	NA	NA	NA	NA	180 [180]	190	240	210	230	230	NA	NA
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	NA	1 U [1 U]	NA	NA	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	180 [180]	NA	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	1 U [1 U]	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	NA	NA	NA	NA	0.1 U [0.1 U]	NA	NA	NA	NA	0.10 U	NA	NA
Nitrite Nitrogen	mg/L	NA	NA	NA	NA	0.1 U [0.1 U]	NA	NA	NA	NA	0.10 U	NA	NA
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	NA	1 U [1 U]	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	NA	NA	14 [14]	12	10	13	16	17	NA	NA
Total Nitrate/Nitrite Nitrogen	mg/L	NA	NA	NA	NA	0.1 U [0.1 U]	0.1 U	0.1 U	0.01 U	0.10 U	0.10 U	NA	NA
Total Iron	mg/L	NA	NA	NA	NA	2.03	0.79	1.67	1.86	2.37	1.98	NA	NA
Ferrous Iron	mg/L	NA	NA	NA	NA	1.54	0.40	1.50	1.71	2.10	1.84	NA	NA
Ferric Iron	mg/L	NA	NA	NA	NA	0.49	0.39	0.17	0.15	0.27	0.14	NA	NA
Sulfite	mg/L	NA	NA	NA	NA	0.25	2.56	1.28	0.64	1.92	1.28	NA	NA

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APPENDIX D
HISTORICAL MNA PARAMETER DATA
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID: / Date Collected:	Units	MW-20A 11/08/17	MW-20A 11/07/18	MW-20A 11/20/19	MW-20B 10/20/09	MW-20B 11/03/10	MW-20B 11/29/11	MW-20B 11/08/12	MW-20B 11/14/13	MW-20B 11/13/14	MW-20B 11/23/15	MW-20B 11/30/16
Total Organic Carbon	mg/L	7.8	9.0	9.8	6	7	7.5	6.8 [6.8]	6.9	7.9	7.2 [7.0]	7.4 [7.3]
Carbon Dioxide	mg/L	19	22	2.6	0.140 V	0.13	0.240 V	21 [21]	15	15	18 [19]	20 [19]
Ethane	ug/L	21	12	3.7	1.3	2.1	67	87 [150]	110	160	19 [30]	43 [57]
Ethene	ug/L	0.50 U	0.50 U	0.55 U	6.9	6.2	4	2.1 [3]	1.7	0.5 U	0.55 U [0.55 U]	0.50 U [0.50 U]
Methane	ug/L	290	210	230	120	130	320	190 [320]	190	360	55 [87]	140 [170]
Alkalinity	mg/L	NA	NA	NA	170	190	240	220 [220]	220	240	NA	NA
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	170	NA	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	NA	NA	NA	0.1 U	NA	NA	NA	NA	0.10 U	NA	NA
Nitrite Nitrogen	mg/L	NA	NA	NA	0.1 U	NA	NA	NA	NA	0.10 U	NA	NA
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	NA	3.7	3.1	5.2	5.4 [5.4]	4.3	5.8	NA	NA
Total Nitrate/Nitrite Nitrogen	mg/L	NA	NA	NA	0.1 U	0.1 U	0.1 U	0.01 U [0.01 U]	0.10 U	0.10 U	NA	NA
Total Iron	mg/L	NA	NA	NA	2.37	0.96	2.13	2.15	1.91	1.92	NA	NA
Ferrous Iron	mg/L	NA	NA	NA	1.27	0.74	1.18	1.77	1.60	1.6	NA	NA
Ferric Iron	mg/L	NA	NA	NA	1.10	0.22	0.95	0.38	0.31	0.32	NA	NA
Sulfite	mg/L	NA	NA	NA	0.45	2.56	1.28	0.64	1.92	1.92	NA	NA

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APPENDIX D
HISTORICAL MNA PARAMETER DATA
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-20B	MW-20B	MW-20B	MW-20C	MW-20C	MW-20C	MW-20C	MW-20C	MW-20C	MW-20C	MW-20C
Date Collected:	Units	11/08/17	11/07/18	11/20/19	10/20/09	11/03/10	11/29/11	11/08/12	11/14/13	11/13/14	11/23/15	11/30/16
Total Organic Carbon	mg/L	7.1 [9.4]	7.1 [7.2]	7.8 [7.5]	4.4	5	4.9	4.6	4.5	4.9	4.5	4.6
Carbon Dioxide	mg/L	16 [16]	17 [19]	21 [22]	0.210 V	0.18	0.220 V	20	14	16	13	17
Ethane	ug/L	260 [190]	350 [310]	260 [290]	0.52 I	0.36 I	0.8 I	0.55 U	0.55 U	1.6	0.75 U	0.55 U
Ethene	ug/L	0.50 U [0.50 U]	0.50 U [0.50 U]	0.55 U [0.55 U]	5.6	6.1	9.2	4.2	4.0	11	2.7	4.7
Methane	ug/L	470 [360]	610 [530]	730 [770]	110	120	270	120	95	210	52	120
Alkalinity	mg/L	NA [NA]	NA [NA]	NA [NA]	210	220	260	240	230	240	NA	NA
Alkalinity as CaCO3, Hydroxide	mg/L	NA [NA]	NA [NA]	NA [NA]	1 U	NA	NA	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA [NA]	NA [NA]	NA [NA]	210	NA	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA [NA]	NA [NA]	NA [NA]	1 U	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	NA [NA]	NA [NA]	NA [NA]	0.1 U	NA	NA	NA	NA	0.10 U	NA	NA
Nitrite Nitrogen	mg/L	NA [NA]	NA [NA]	NA [NA]	0.1 U	NA	NA	NA	NA	0.10 U	NA	NA
Phenolphthalein Alkalinity	mg/L	NA [NA]	NA [NA]	NA [NA]	1 U	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA [NA]	NA [NA]	NA [NA]	0.2 U	0.23 I	0.2 U	0.2 U	0.25 U	0.25 U	NA	NA
Total Nitrate/Nitrite Nitrogen	mg/L	NA [NA]	NA [NA]	NA [NA]	0.1 U	0.1 U	0.1 U J3	0.01 I	0.10 U	0.10 U	NA	NA
Total Iron	mg/L	NA [NA]	NA [NA]	NA [NA]	1.03	1.18	1.47	0.37	0.31	0.58	NA	NA
Ferrous Iron	mg/L	NA [NA]	NA [NA]	NA [NA]	0.79	0.00	0.24	0.34	0.30	0.31	NA	NA
Ferric Iron	mg/L	NA [NA]	NA [NA]	NA [NA]	0.24	1.18	1.23	0.03	0.01	0.27	NA	NA
Sulfite	mg/L	NA [NA]	NA [NA]	NA [NA]	0.80	4.48	1.92	1.28	1.92	1.92	NA	NA

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APPENDIX D
HISTORICAL MNA PARAMETER DATA
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-20C	MW-20C	MW-20C	MW-22A	MW-22A	MW-22A	MW-22A	MW-22A	MW-22A	MW-22A	MW-22A	MW-22A
Date Collected:	Units	11/08/17	11/07/18	11/20/19	10/20/09	11/03/10	11/29/11	11/08/12	11/14/13	11/13/14	11/23/15	12/01/16	11/08/17
Total Organic Carbon	mg/L	4.2	4.2	4.2	11	15	9.5	14	13	16	10	8.4	6.5
Carbon Dioxide	mg/L	15	14	15	0.250 V	0.18	0.230 V	17	17	21	16	19	12
Ethane	ug/L	0.55 U	0.98 I	0.75 U	0.17 U	0.22 I	0.17 I	0.55 U	0.55 U	0.55 U	0.75 U	0.55 U	0.55 U
Ethene	ug/L	5.1	12	6.1	0.11 U	0.11 U	0.11 U	0.50 U	0.50 U	0.5 U	0.55 U	0.50 U	0.50 U
Methane	ug/L	170	190	160	7.4	14	6.2	4.6	7.6	7.9	1.1	7.3	4.2
Alkalinity	mg/L	NA	NA	NA	170	190	220	180	200	210	NA	NA	NA
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	170	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	NA	NA	NA	0.1 U	NA	NA	NA	NA	0.10 U	NA	NA	NA
Nitrite Nitrogen	mg/L	NA	NA	NA	0.1 U	NA	NA	NA	NA	0.10 U	NA	NA	NA
Phenolphthalein Alkalinity	mg/L	NA	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	NA	58	27 J3	24	17	6.6	51	NA	NA	NA
Total Nitrate/Nitrite Nitrogen	mg/L	NA	NA	NA	0.1 U	0.1 U	0.1 U	0.01 U	0.10 U	0.10 U	NA	NA	NA
Total Iron	mg/L	NA	NA	NA	2.37	1.60	2.10	1.78	1.59	2.52	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	NA	2.03	1.11	1.96	1.29	1.48	2.27	NA	NA	NA
Ferric Iron	mg/L	NA	NA	NA	0.34	0.49	0.14	0.49	0.11	0.25	NA	NA	NA
Sulfite	mg/L	NA	NA	NA	0.15	1.92	1.28	0.64	1.28	1.28	NA	NA	NA

Footnotes on Page 28.

APPENDIX D
HISTORICAL MNA PARAMETER DATA
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-22A	MW-22A	MW-22B	MW-22B	MW-22B	MW-22B	MW-22B	MW-22B	MW-22B	MW-22B	MW-22B	MW-22B
Date Collected:	Units	11/09/18	11/21/19	10/20/09	11/03/10	11/29/11	11/08/12	11/14/13	11/13/14	11/23/15	12/01/16	11/08/17	11/09/18
Total Organic Carbon	mg/L	7.4	9.9	5.8	6.2	5.8	5.8	5.7	6.2	5.6	6.1	5.9	5.2
Carbon Dioxide	mg/L	16	27	0.200 V	0.17	0.250 V	21	14	15	18	19	17	19
Ethane	ug/L	0.55 U	0.75 U	0.6 I	1.9	0.35 I	0.55 U	0.55 U	0.55 U	0.75 U	0.55 U	0.55 U	0.55 U
Ethene	ug/L	0.50 U	0.55 U	0.11 U	0.11 U	0.11 U	0.50 U	0.50 U	0.5 U	0.55 U	0.50 U	0.50 U	0.50 U
Methane	ug/L	21	4.9	25	51	28	29	14	14	6	13	14	23
Alkalinity	mg/L	NA	NA	200	210	260	220	220	230	NA	NA	NA	NA
Alkalinity as CaCO3, Hydroxide	mg/L	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	NA	NA	0.1 U	NA	NA	NA	NA	0.10 U	NA	NA	NA	NA
Nitrite Nitrogen	mg/L	NA	NA	0.1 U	NA	NA	NA	NA	0.10 U	NA	NA	NA	NA
Phenolphthalein Alkalinity	mg/L	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	11	8.1	9 J3	10	8.5	7.9	NA	NA	NA	NA
Total Nitrate/Nitrite Nitrogen	mg/L	NA	NA	0.1 U	0.1 U	0.1 U	0.01 U	0.10 U	0.10 U	NA	NA	NA	NA
Total Iron	mg/L	NA	NA	0.37	0.33	0.29	0.17	0.28	0.19	NA	NA	NA	NA
Ferrous Iron	mg/L	NA	NA	0.25	0.18	0.22	0.15	0.42	0.21	NA	NA	NA	NA
Ferric Iron	mg/L	NA	NA	0.12	0.15	0.07	0.02	0.00	-0.02	NA	NA	NA	NA
Sulfite	mg/L	NA	NA	0.50	9.60	1.92	1.28	1.28	1.28	NA	NA	NA	NA

Footnotes on Page 28.

APPENDIX D
HISTORICAL MNA PARAMETER DATA
Honeywell International Inc.
Solitron Devices Site
Riviera Beach, Florida

Location ID:		MW-22B	MW-22C	MW-22C	MW-22C	MW-22C	MW-22C	MW-22C	MW-22C	MW-22C	MW-22C	MW-22C	MW-22C
Date Collected:	Units	11/21/19	10/20/09	11/03/10	11/29/11	11/08/12	11/15/13	11/13/14	11/23/15	12/01/16	11/08/17	11/09/18	11/21/19
Total Organic Carbon	mg/L	5.8	3.9	4.5	3.9	3.5	3.4	3.7	3.6	3.5	3.5	3.0	3.5
Carbon Dioxide	mg/L	19	0.230 V	0.21	0.240 V	22	15	16	18	20	18	20	19
Ethane	ug/L	0.75 U	0.37 I	0.52 I	0.49 I	0.55 U	0.55 U	0.55 U	0.75 U	0.55 U	0.55 U	0.55 U	0.75 U
Ethene	ug/L	0.55 U	0.27 I	0.14 I	0.11 U	0.50 U	0.50 U	0.5 U	0.55 U	0.50 U	0.50 U	0.50 U	0.55 U
Methane	ug/L	15 V	840	660	1100	1,600	700	1,300	640	1,300	1,400	2,200	1,400
Alkalinity	mg/L	NA	210	230	270	240	240	240	NA	NA	NA	NA	NA
Alkalinity as CaCO3, Hydroxide	mg/L	NA	1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	210	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	mg/L	NA	0.1 U	NA	NA	NA	NA	0.10 U	NA	NA	NA	NA	NA
Nitrite Nitrogen	mg/L	NA	0.1 U	NA	NA	NA	NA	0.10 U	NA	NA	NA	NA	NA
Phenolphthalein Alkalinity	mg/L	NA	1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	1.1	1.5	0.3 I	0.2 U	0.25 U	0.51	NA	NA	NA	NA	NA
Total Nitrate/Nitrite Nitrogen	mg/L	NA	0.1 U	0.1 U	0.1 U	0.01 U	0.10 U	0.10 U	NA	NA	NA	NA	NA
Total Iron	mg/L	NA	0.87	0.80	0.48	0.43	0.36	0.37	NA	NA	NA	NA	NA
Ferrous Iron	mg/L	NA	0.77	0.44	0.37	0.33	0.36	0.29	NA	NA	NA	NA	NA
Ferric Iron	mg/L	NA	0.10	0.36	0.11	0.10	0.00	0.08	NA	NA	NA	NA	NA
Sulfite	mg/L	NA	0.25	3.84	1.92	0.64	1.28	1.28	NA	NA	NA	NA	NA

Footnotes:

mg/L - milligrams per liter

V - Indicates the analyte was detected in both the sample and the associated method blank.

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

Y - The laboratory analysis was from an improperly preserved sample. (Not at temp when received at the second lab.)

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

J3 - Estimated value may not be accurate. Spike recovery or Relative Percent Difference (RPD) outside of criteria.

NA - Not Analysed

NR - Not Recorded

APPENDIX E

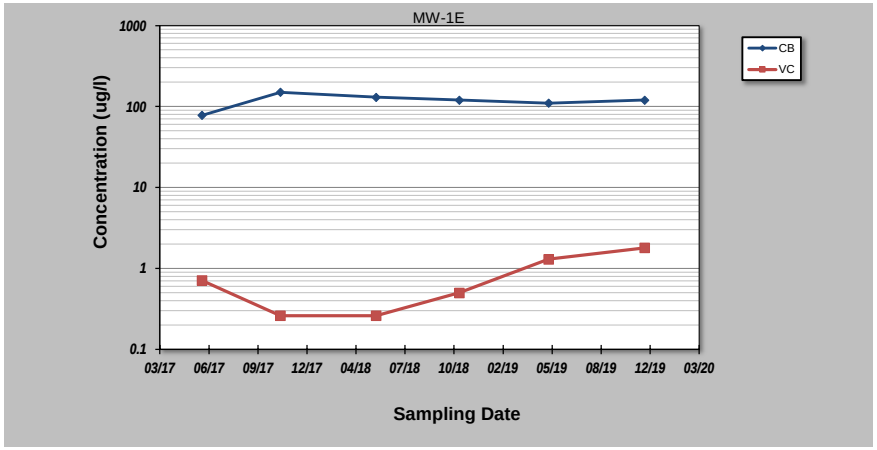
Mann Kendall Charts

APPENDIX E
MANN KENDALL ANALYSES/ CHARTS
SOLITRON

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	25-Jul-19	Job ID:	MW-1E
Facility Name:	Solitron - Riviera Beach	Constituent:	
Conducted By:	ZV	Concentration Units:	ug/l

Sampling Point ID:		CB	VC					
Sampling Event	Sampling Date	CONCENTRATION (ug/l)						
1	31-May-17	78	0.71					
2	7-Nov-17	150	0.26					
3	21-May-18	130	0.26					
4	7-Nov-18	120	0.5					
5	8-May-19	110	1.3					
6	20-Nov-19	120	1.8					
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.20	0.77					
Mann-Kendall Statistic (S):		-2	8					
Confidence Factor:		57.0%	89.8%					
Concentration Trend:		Stable	No Trend					



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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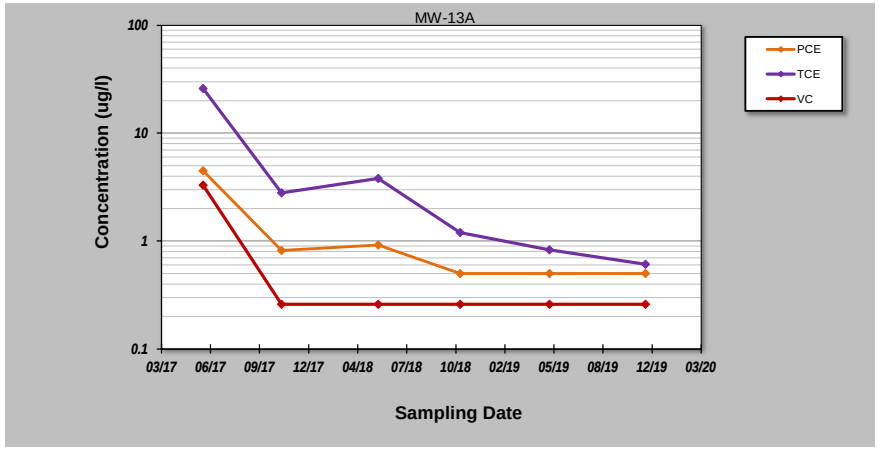
APPENDIX E
MANN KENDALL ANALYSES/ CHARTS
SOLITRON

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	25-Jul-19	Job ID:	MW-13A
Facility Name:	Solitron - Riviera Beach	Constituent:	
Conducted By:	ZV	Concentration Units:	ug/l

Sampling Point ID:		PCE	TCE	VC				
Sampling Event	Sampling Date	CONCENTRATION (ug/l)						
1	30-May-17	4.5	26	3.3				
2	6-Nov-17	0.82	2.8	0.26				
3	22-May-18	0.92	3.8	0.26				
4	5-Nov-18	0.5	1.2	0.26				
5	6-May-19	0.5	0.83	0.26				
6	18-Nov-19	0.5	0.61	0.26				
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		1.23	1.69	1.62				
Mann-Kendall Statistic (S):		-10	-13	-5				
Confidence Factor:		95.2%	99.2%	76.5%				
Concentration Trend:		Decreasing	Decreasing	No Trend				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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APPENDIX E
MANN KENDALL ANALYSES/ CHARTS
SOLITRON

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	25-Jul-19	Job ID:	MW-13B
Facility Name:	Solitron - Riviera Beach	Constituent:	
Conducted By:	ZV	Concentration Units:	ug/l

Sampling Point ID:	VC						
Sampling Event	**Sampling Date**	**CONCENTRATION (ug/l)**						
1	30-May-17	4.2						
2	6-Nov-17	0.26						
3	22-May-18	0.62						
4	5-Nov-18	0.54						
5	6-May-19	0.26						
6	18-Nov-19	0.73						
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		1.39						
Mann-Kendall Statistic (S):		-2						
Confidence Factor:		57.0%						
Concentration Trend:		No Trend						

Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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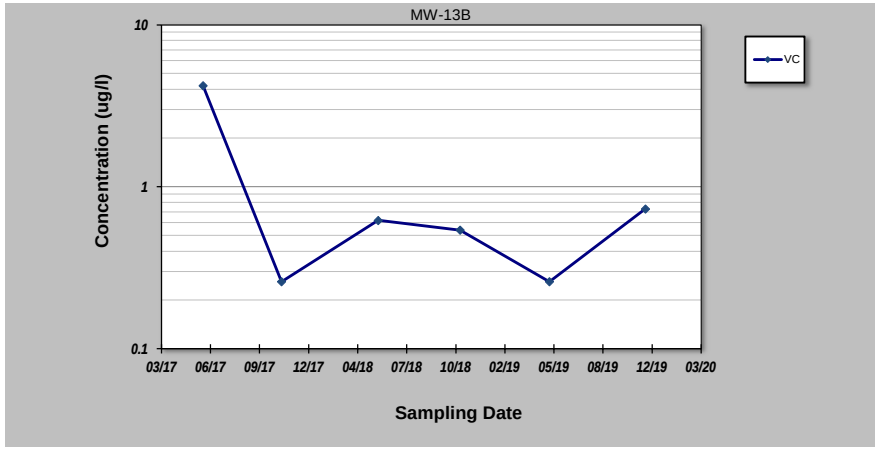
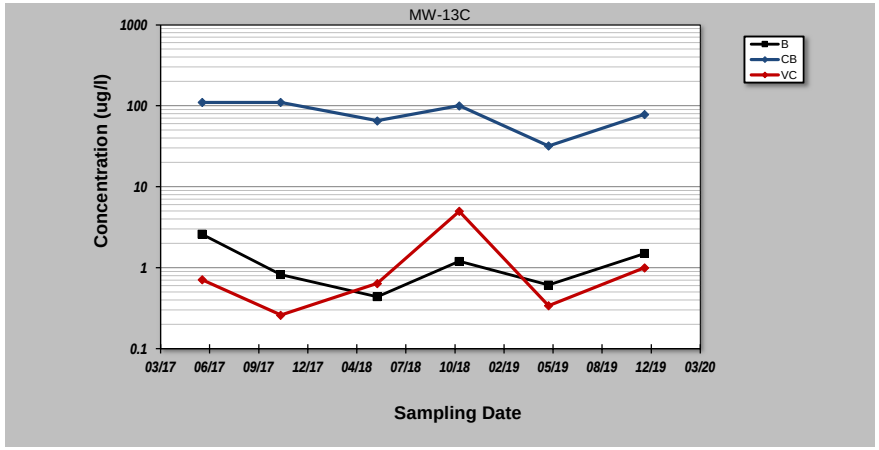


APPENDIX E
MANN KENDALL ANALYSES/ CHARTS
SOLITRON

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	25-Jul-19	Job ID:	MW-13C
Facility Name:	Solitron - Riviera Beach	Constituent:	
Conducted By:	ZV	Concentration Units:	ug/l

Sampling Point ID:		B	CB	VC				
Sampling Event	Sampling Date	CONCENTRATION (ug/l)						
1	30-May-17	2.6	110	0.71				
2	6-Nov-17	0.82	110	0.26				
3	22-May-18	0.44	65	0.64				
4	5-Nov-18	1.2	100	5				
5	6-May-19	0.61	32	0.34				
6	18-Nov-19	1.50	78	1				
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.66	0.37	1.37				
Mann-Kendall Statistic (S):		-1	-8	3				
Confidence Factor:		50.0%	89.8%	64.0%				
Concentration Trend:		Stable	Stable	No Trend				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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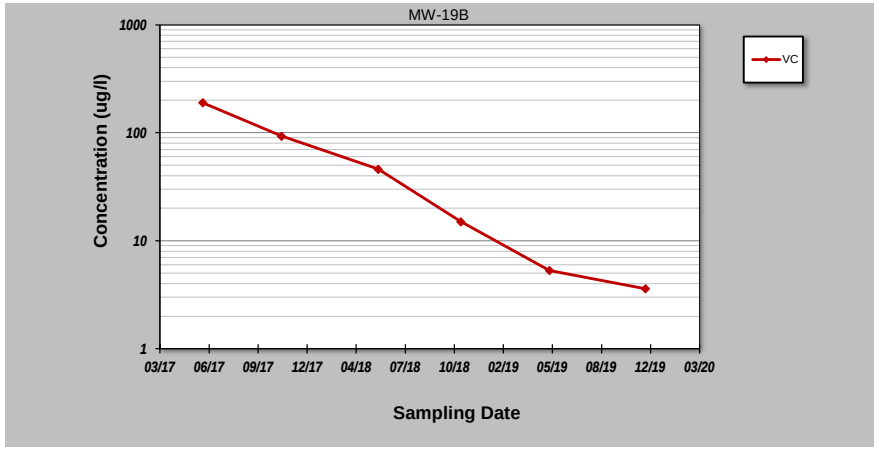
APPENDIX E
MANN KENDALL ANALYSES/ CHARTS
SOLITRON

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	25-Jul-19	Job ID:	MW-19B
Facility Name:	Solitron - Riviera Beach	Constituent:	
Conducted By:	ZV	Concentration Units:	ug/l

Sampling Point ID:	VC						
Sampling Event	**Sampling Date**	**CONCENTRATION (ug/l)**						
1	1-Jun-17	190						
2	9-Nov-17	93						
3	25-May-18	46						
4	9-Nov-18	15						
5	9-May-19	5.3						
6	21-Nov-19	3.6						
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		1.23						
Mann-Kendall Statistic (S):		-15						
Confidence Factor:		99.9%						
Concentration Trend:		Decreasing						



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
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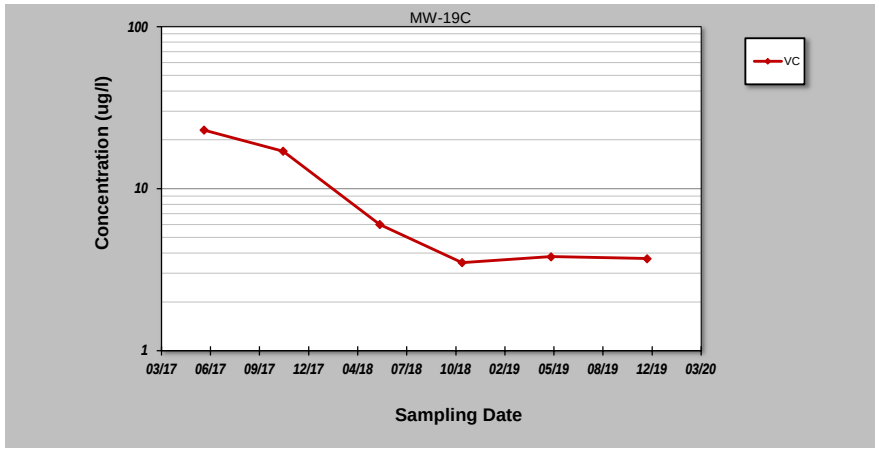
APPENDIX E
MANN KENDALL ANALYSES/ CHARTS
SOLITRON

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	25-Jul-19	Job ID:	MW-19C
Facility Name:	Solitron - Riviera Beach	Constituent:	
Conducted By:	ZV	Concentration Units:	ug/l

Sampling Point ID:	VC						
Sampling Event	**Sampling Date**	**CONCENTRATION (ug/l)**						
1	1-Jun-17	23						
2	9-Nov-17	17						
3	25-May-18	6						
4	9-Nov-18	3.5						
5	9-May-19	3.8						
6	21-Nov-19	3.7						
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.88						
Mann-Kendall Statistic (S):		-11						
Confidence Factor:		97.2%						
Concentration Trend:		Decreasing						



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
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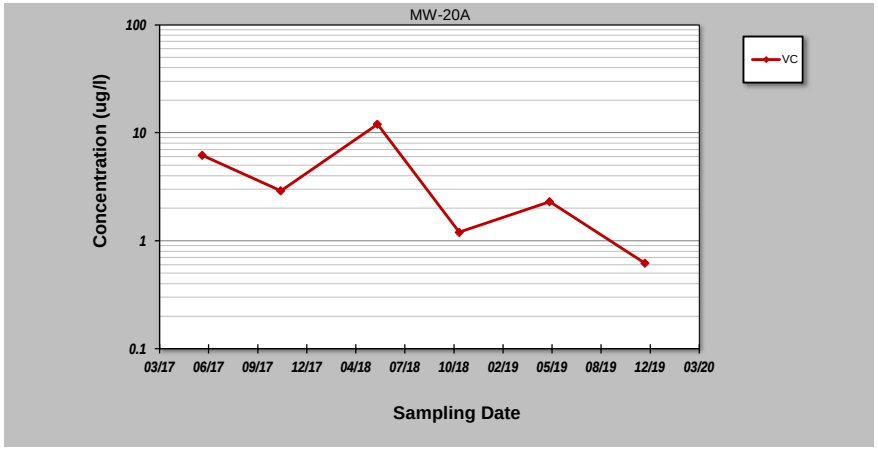
APPENDIX E
MANN KENDALL ANALYSES/ CHARTS
SOLITRON

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	25-Jul-19	Job ID:	MW-20A
Facility Name:	Solitron - Riviera Beach	Constituent:	
Conducted By:	ZV	Concentration Units:	ug/l

Sampling Point ID:	VC						
Sampling Event	**Sampling Date**	**CONCENTRATION (ug/l)**						
1	1-Jun-17	6.2						
2	8-Nov-17	2.9						
3	24-May-18	12.0						
4	7-Nov-18	1.2						
5	10-May-19	2.3						
6	20-Nov-19	0.62						
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		1.02						
Mann-Kendall Statistic (S):		-9						
Confidence Factor:		93.2%						
Concentration Trend:		Prob. Decreasing						



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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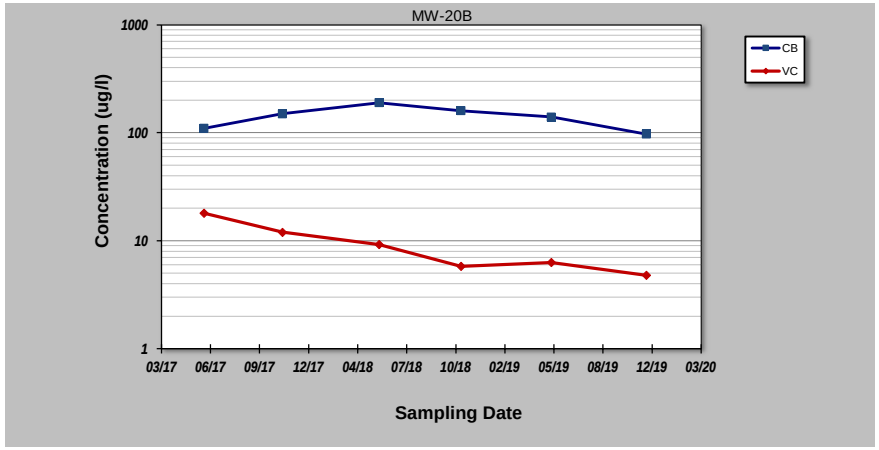
APPENDIX E
MANN KENDALL ANALYSES/ CHARTS
SOLITRON

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	25-Jul-19	Job ID:	MW-20B
Facility Name:	Solitron - Riviera Beach	Constituent:	
Conducted By:	ZV	Concentration Units:	ug/l

Sampling Point ID:	CB	VC					
Sampling Event	**Sampling Date**	**CONCENTRATION (ug/l)**					
1	1-Jun-17	110	18				
2	8-Nov-17	150	12				
3	24-May-18	190	9.2				
4	7-Nov-18	160	5.8				
5	10-May-19	140	6.3				
6	20-Nov-19	97	4.8				
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Coefficient of Variation:		0.24	0.53				
Mann-Kendall Statistic (S):		-3	-13				
Confidence Factor:		64.0%	99.2%				
Concentration Trend:		Stable	Decreasing				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
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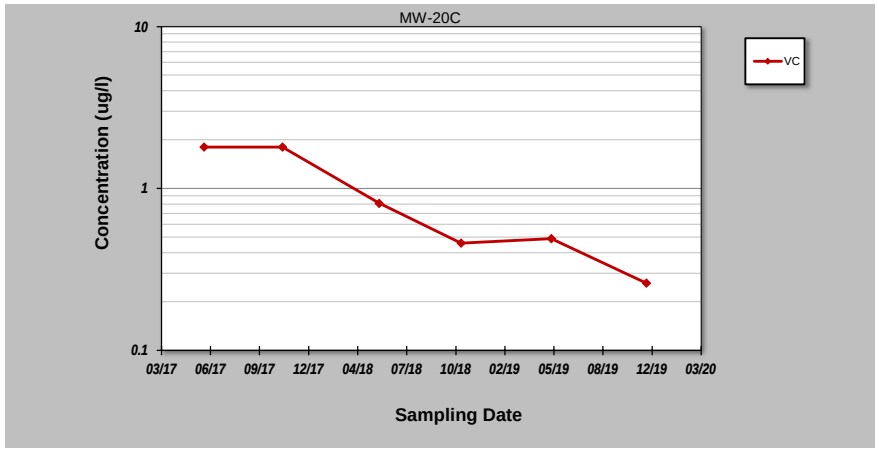
APPENDIX E
MANN KENDALL ANALYSES/ CHARTS
SOLITRON

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	25-Jul-19	Job ID:	MW-20C
Facility Name:	Solitron - Riviera Beach	Constituent:	
Conducted By:	ZV	Concentration Units:	ug/l

Sampling Point ID:	VC						
Sampling Event	**Sampling Date**	**CONCENTRATION (ug/l)**						
1	1-Jun-17	1.8						
2	8-Nov-17	1.8						
3	24-May-18	0.81						
4	7-Nov-18	0.46						
5	10-May-19	0.49						
6	20-Nov-19	0.26						
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.74						
Mann-Kendall Statistic (S):		-12						
Confidence Factor:		98.2%						
Concentration Trend:		Decreasing						



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
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