25 March 2024

Fazio Acquisitions, LLC, a Florida limited liability company
C/o Dan McCawley
Greenberg Traurig, P.A.
401 East Las Olas Boulevard, Suite 2000
Fort Lauderdale, Florida 33301

Re: Phase II Environmental Site Assessment
Former Checkers
1401 SW 26th Avenue
Pompano Beach, Florida 33069
Langan Project No.: 330135001

Dear Mr. McCawley:

Langan Engineering and Environmental Services, LLC has completed this Phase II Environmental Site Assessment (ESA) of the property located at 1401 SW 26th Avenue in Pompano Beach, Florida (the "subject property") for Fazio Acquisitions, LLC, a Florida limited liability company c/o Greenberg Traurig, P.A. (Client) in accordance with our 23 February 2024 scope of services. The Phase II ESA scope was based on the findings of a Phase I ESA conducted on the subject property by CBRE, Inc. (CBRE), dated 16 February 2024. Langan understands that the client is requesting this Phase II ESA as part of pre-acquisition due diligence property transaction and redevelopment.

PROPERTY DESCRIPTION

The subject property is located on the southwest corner of the intersection of Gateway Drive and Southwest 26th Avenue (South Powerline Road). It is an approximately 0.94-acre parcel identified by the Broward County Property Appraiser as Parcel Number 4942 042 60 010. The subject property was most recently occupied by a Checkers restaurant. A Site Location Map is provided as **Figure 1**.

BACKGROUND

Historical documentation indicated that the subject property was undeveloped land from at least 1940 until the late 1960s and vacant land from early 1970s to 1992. Initial site development occurred in 1992, with the construction of the existing vacant single-story restaurant building.

The Phase I ESA dated 16 February 2024, by CBRE identified two historical dry-cleaning facilities within the immediate vicinity of the subject property as recognized environmental conditions (RECs). Royal Cleaners was located adjacent to the west and Dry-Cleaning Pros was in the retail strip shopping center to the north-northwest of the subject property.

The objective of the Phase II ESA is to evaluate whether any dissolved chlorinated solvents in the groundwater originating from the surrounding dry-cleaning facilities is present at the subject property.

GROUNDWATER ASSESSMENT

Langan completed the assessment activities in accordance with the Florida Department of Environmental Protection (FDEP) Standard Operating Procedures (rev. January 2017, eff. April

2018). Langan contracted Wombat Environmental, LLC. (Wombat) of Punta Gorda, Florida, a licensed drilling contractor to provide drilling services via the direct-push drilling method and Eurofins Environment Testing Southeast, LLC (Eurofins) of Hollywood, FL, a laboratory certified by the National Environmental Laboratory Accreditation Program (NELAP), to provide analytical services. Langan collected the samples in laboratory-supplied containers and placed the samples in a cooler with ice and submitted the samples under chain-of-custody procedures to the laboratory.

Prior to drilling, Langan contacted Sunshine State One-Call of Florida to mark the subject property for underground utility lines. Langan also contracted, GeoView to complete a private utility locate and to clear the proposed boring locations of underground utilities or other obstructions.

Groundwater Assessment

On 11 March 2024, under the direction of Langan, Wombat installed three shallow temporary monitoring wells (LMW-01, LMW-02, and LMW-03) and three deep monitoring wells (LMW-01D, LMW-02D, and LMW-03D). The monitoring well locations are shown on **Figure 2**. The shallow monitoring wells were constructed of one-inch-diameter schedule 40 polyvinyl chloride (PVC), consisting of 10 feet of 0.01-inch slotted screen intersecting the groundwater table with 20/30-grain silica sand filter, followed by solid PVC riser pipe to the surface. The deep monitoring wells were constructed of one-inch-diameter schedule 40 polyvinyl chloride (PVC), consisting of 5 feet of 0.01-inch slotted screen with 20/30-grain silica sand filter, followed by solid PVC riser pipe to the surface. Following installation of the wells, the driller developed the wells with a peristaltic pump until the development water was clear and free of visible solids. The water table was observed from approximately 4.5 to 6 feet below ground surface (bgs).

After development, Langan purged the wells with a low-flow peristaltic pump and high-density polyethylene (HDPE) tubing. Purge volumes were calculated using the formula on the FDEP groundwater sampling log and prior to collecting samples, water quality parameters (pH, temperature, conductivity, dissolved oxygen, and turbidity) were collected periodically until the values stabilized within FDEP-acceptable ranges. Groundwater samples were submitted to the laboratory for analysis of volatile organic halocarbons (VOHs) by U.S. Environmental Protection Agency (EPA) Method 8260. The groundwater sampling and calibration logs are included in **Attachment A**.

Purge water and development water was spread over an impervious area to allow the water to evaporate in accordance with Section K of Monitoring Well Design, Installation and Placement (FDEP, 2005). The temporary monitoring wells were removed, and all boreholes were filled with silica sand and patched with asphalt or topsoil.

DATA EVALUATION

Langan reviewed the laboratory report and compared the analytical results for the Groundwater Cleanup Target Levels (GCTL) presented in Chapter 62-777, Florida Administrative Code (F.A.C.). Langan also reviewed the laboratory reports to ensure detection limits did not exceed cleanup target levels, that surrogate recoveries were within acceptable limits, and data was properly flagged. The laboratory analytical report and chain of custody are provided in **Attachment B.**

Laboratory analysis did not detect any VOH compounds at concentrations exceeding the GCTL and/or the laboratory method detection limits in the groundwater samples collected. The groundwater analytical data is summarized in **Table 1**.

CONCLUSIONS

Langan has completed a Phase II ESA for the subject property located at 1401 SW 26th Avenue in Pompano Beach, Florida. We collected three shallow and three deep groundwater samples to assess for potential impacts from the surrounding dry-cleaning facilities. Laboratory analysis of the groundwater samples collected did not detect VOH compounds at levels that exceed the GCTLs. Based on the analytical results, Langan recommends no further groundwater assessment of the subject property in relation to the surrounding dry-cleaning facilities.

LIMITATIONS

Langan's services were provided according to generally accepted environmental science, geosciences, and engineering practices at the time the work was performed. No expressed or implied representation or warranty is included or intended in our reports, except that we provided our services within the limits prescribed by the client and with the customary thoroughness and competence of our profession.

CLOSURE

We have appreciated the opportunity to be of service to you. Please contact us with questions.

Sincerely,
Langan Engineering and Environmental Services, LLC

Candace E. Chin Fatt
Senior Project Manager

Vincent D. Yarina, P.G., CEM
Principal/Vice President

Enclosures: Figure 1 –Site Location Map
Figure 2 – Sample Location Map
Table 1 – Groundwater Analytical Summary
Attachment A – Groundwater Sampling and Calibration Logs
Attachment B – Groundwater Laboratory Analytical Reports and Chain-of Custody

FBPE Registry No. 6601
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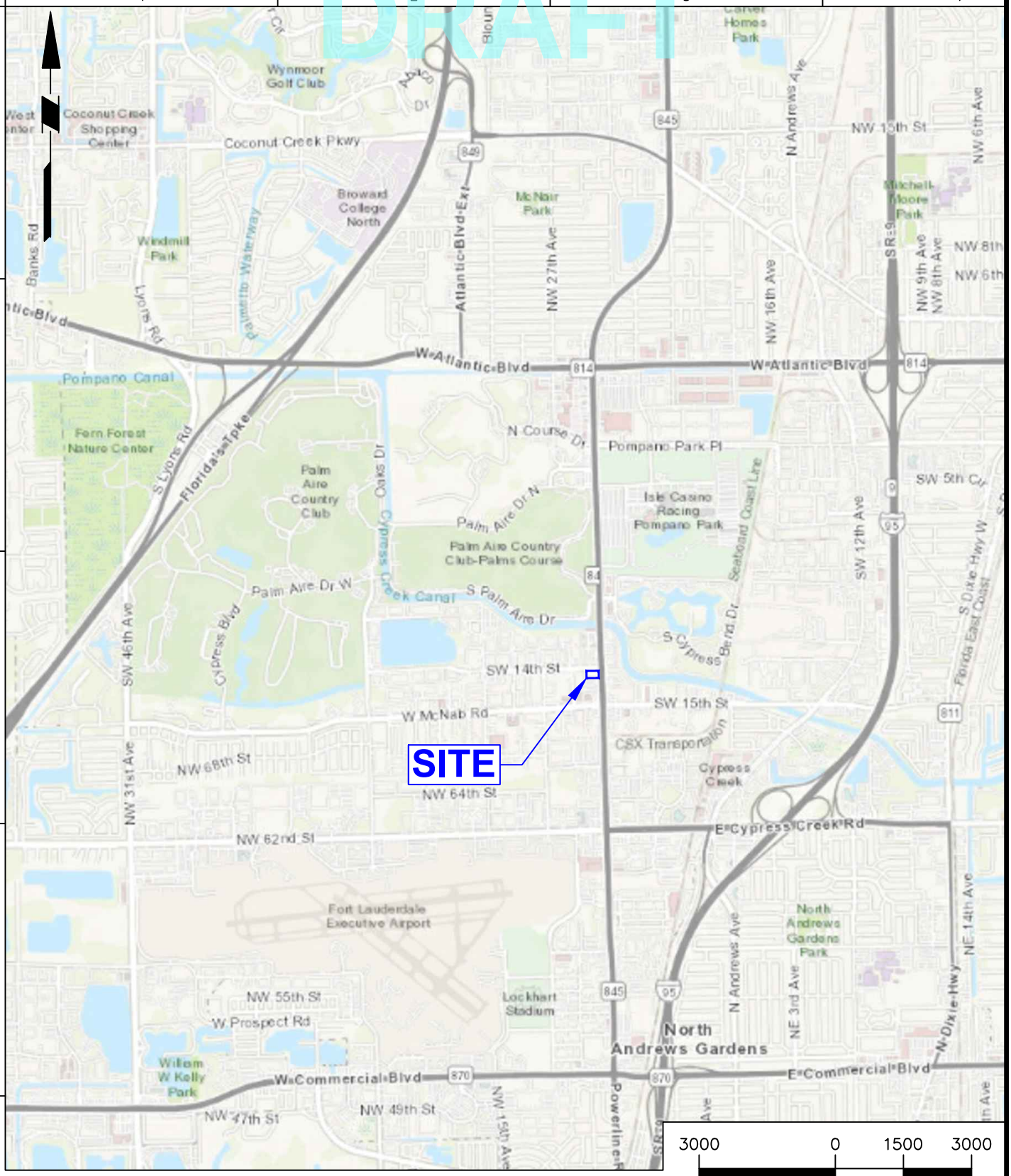
Figures

DRAFT



MAP REFERENCE:
USGS MAP TAKEN FROM LANGAN'S ESRI ARCGIS SOFTWARE.

LANGAN
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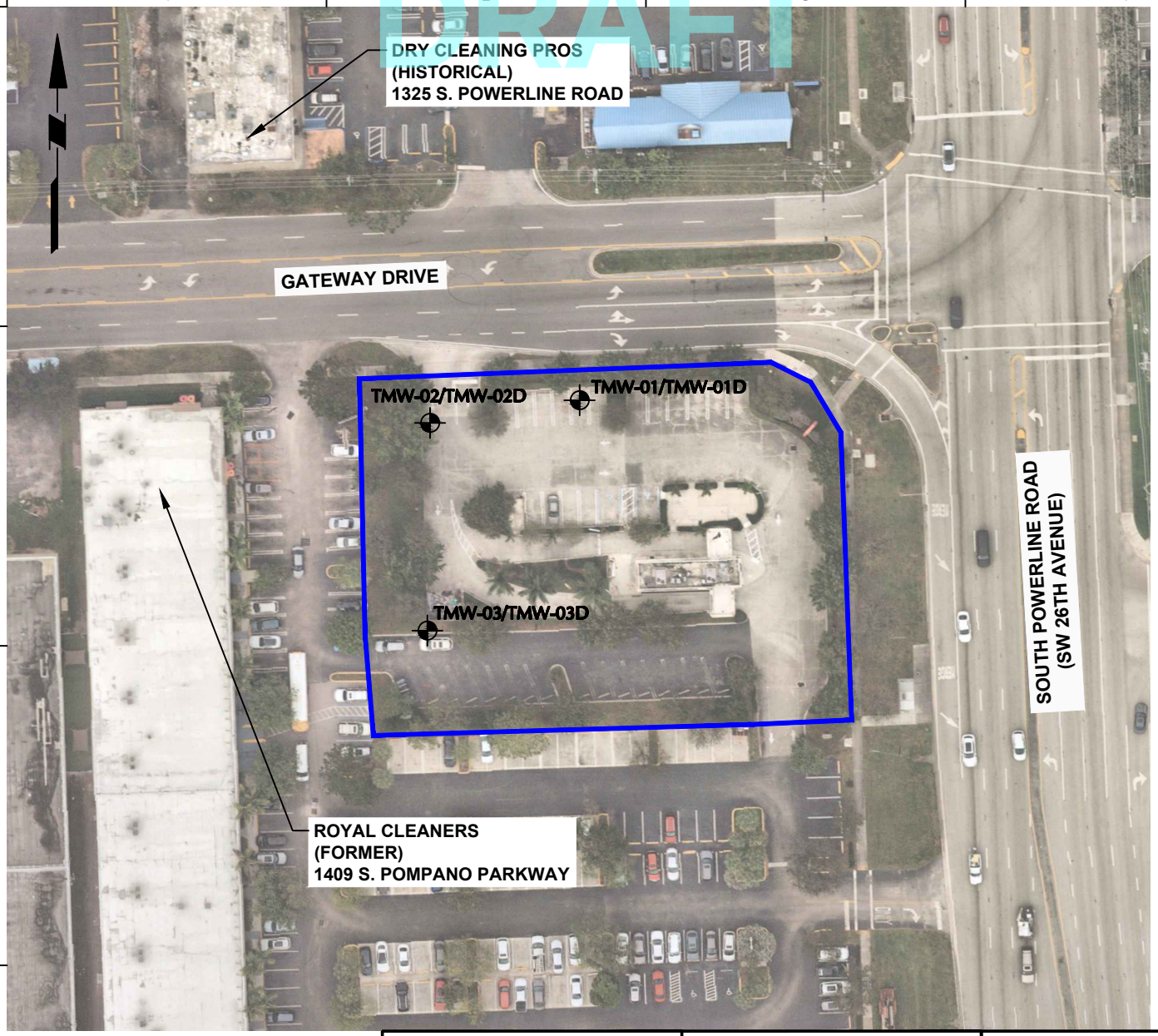
FBPE Registry No. 00006601/LB8172/LB8198

Project	FORMER CHECKERS 1401 SW 26TH AVENUE POMPANO BEACH BROWARD COUNTY FLORIDA
Drawing Title	SITE LOCATION MAP
Project No.	330135001
Date	MARCH 2024
Drawn By	AC
Checked By	JB
Drawing No.	1

Filename: C:\bms\langan-pw-01\d0537491\FG01-330135001-0201-NI101-0101.dwg Date: 3/19/2024 Time: 17:29 User: acofrancesco Style Table: Langan.stb Layout: X



LEGEND:

PROPERTY BOUNDARY

MONITORING WELL LOCATION

NOTES:

1. ALL LOCATIONS AND BOUNDARIES ARE APPROXIMATE.
2. AERIAL IMAGE TAKEN FROM NEARMAP AND DATED 23 NOVEMBER 2023.

80 0 40 80

SCALE: 1"= 80'

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Project
FORMER CHECKERS
1401 SW 26TH AVENUE
POMPANO BEACH
BROWARD COUNTY FLORIDA

Drawing Title
MONITORING WELL LOCATION MAP

Project No.	330135001
Date	MARCH 2024
Drawn By	AC
Checked By	JB

Drawing No.
FIG. 2

Filename: C:\bms\langan-pw-01\d0537491\FG02-330135001-0201-NI101-0101.dwg Date: 3/25/2024 Time: 14:21 User: acofrancesco Style Table: Langan.stb Layout: FIG 2

Tables

Table 1
Groundwater Analytical Summary
Former Checkers
1401 SW 26th Avenue, Pompano Beach, Florida
Langan Project No. 330135001

Parameters	Sample ID			TMW-01	TMW-01D	TMW-02	TMW-02D	TMW-03	TMW-03D
	Sample Date			3/11/24	3/11/24	3/11/24	3/11/24	3/11/24	3/11/24
	GCTL	NADC	Unit						
EPA Method 8260D									
1,1,1-Trichloroethane	200	2000	ug/L	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
1,1,2,2-Tetrachloroethane	0.2	20	ug/L	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
1,1,2-Trichloroethane	5	500	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
1,1-Dichloroethane	70	700	ug/L	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,1-Dichloroethene	7	70	ug/L	0.94 U J	0.94 U J	0.94 U J	0.94 U J	0.94 U J	0.94 U J
1,2-Dichlorobenzene	600	6000	ug/L	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U
1,2-Dichloroethane	3	300	ug/L	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
1,2-Dichloropropane	5	500	ug/L	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
1,3-Dichlorobenzene	210	2100	ug/L	0.77 U	0.77 U	0.77 U	0.77 U	0.77 U	0.77 U
1,4-Dichlorobenzene	75	7500	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
Bromoform	4.4	440	ug/L	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
Bromomethane	9.8	98	ug/L	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Carbon tetrachloride	3	300	ug/L	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U
Chlorobenzene	100	1000	ug/L	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Chlorodibromomethane	0.4	40	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	12	1200	ug/L	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Chloroform	70	700	ug/L	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Chloromethane	2.7	270	ug/L	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
cis-1,2-Dichloroethene	70	700	ug/L	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
cis-1,3-Dichloropropene	NL	NL	ug/L	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Dichlorobromomethane	0.6	60	ug/L	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
Dichlorodifluoromethane	1400	14000	ug/L	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U
Methylene Chloride	5	270	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	3	300	ug/L	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
trans-1,2-Dichloroethene	100	1000	ug/L	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U
trans-1,3-Dichloropropene	0.4	40	ug/L	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U
Trichloroethene	3	300	ug/L	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U
Trichlorofluoromethane	2100	21000	ug/L	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U
Vinyl chloride	1	100	ug/L	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U

Notes:
ug/L = micrograms per liter
GCTL = Groundwater Cleanup Target Level per Chapter 62-777, Florida Administrative Code (F.A.C.)
NADC = Natural Attenuation Default Concentration per Chapter 62-777, F.A.C.
NL = Not Listed
U = Compound was not detected above the laboratory method detection limit.
J = Estimated value; value may not be accurate.

ATTACHMENT A

GROUNDWATER SAMPLING AND CALIBRATION LOGS

LANGAN

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: **FORMER CHECKERS**	SITE LOCATION: **1401 SW 26TH AVENUE, POMPANO BEACH, FL**	
WELL NO: **TMW-01**	SAMPLE ID: **TMW-01**	DATE: **03-11-2024**

PURGING DATA

WELL DIAMETER (inches): **1**	TUBING DIAMETER (inches): **¼**	WELL SCREEN INTERVAL DEPTH: **4** feet to **14** feet	STATIC DEPTH TO WATER (feet): **~6**	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)
= (**14** feet – **6** feet) X **0.04** gallons/foot = **0.32** 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): **13**	FINAL PUMP OR TUBING DEPTH IN WELL (feet): **13**	PURGING INITIATED AT: **0945**	PURGING ENDED AT: **1001**	TOTAL VOLUME PURGED (gallons): **0.8**

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)
0949	0.2	0.2	0.05	6.05	7.18	26.7	427.1	0.30	35.6	CLEAR	NONE
0953	0.2	0.4	0.05	6.05	7.18	26.8	424.9	0.28	21.8	CLEAR	NONE
0957	0.2	0.6	0.05	6.05	7.17	26.8	424.5	0.27	18.4	CLEAR	NONE
1001	0.2	0.8	0.05	6.05	7.16	26.8	424.4	0.25	16.3	CLEAR	NONE

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JESSE BECKLES/ Langan	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: **1002**	SAMPLING ENDED AT: **1009**
PUMP OR TUBING DEPTH IN WELL (feet): **13**	TUBING MATERIAL CODE: S, **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)
TMW-01	3	CG	120 mL	HCL/ICE	-	-	VOH 8260	APP	~200

REMARKS:
SAL = 0.20 PPT ORP = -148.9 Mv TDS = 0.2757 g/L END NTU = 16.1 No stickup

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: **FORMER CHECKERS**	SITE LOCATION: **1401 SW 26TH AVENUE, POMPANO BEACH, FL**	
WELL NO: **TMW-01D**	SAMPLE ID: **TMW-01D**	DATE: **03-11-2024**

PURGING DATA

WELL DIAMETER (inches): **1**	TUBING DIAMETER (inches): **¼**	WELL SCREEN INTERVAL DEPTH: **24.4** feet to **29.4** feet	STATIC DEPTH TO WATER (feet): **8.37**	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)
= (**29.4** feet – **8.37** feet) X **0.04** gallons/foot = **0.84** 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): **28**	FINAL PUMP OR TUBING DEPTH IN WELL (feet): **24**	PURGING INITIATED AT: **1020**	PURGING ENDED AT: **1048**	TOTAL VOLUME PURGED (gallons): **2.2**

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)
1030	1.0	1.0	0.1	8.12	7.46	27.2	335.8	0.12	372	BROWN	NONE
1034	0.4	1.4	0.1	8.09	7.45	27.8	347.6	0.14	421	BROWN	NONE
1038	0.2	1.6	0.05	8.09	7.43	27.8	352.3	0.21	476	BROWN	NONE
1042	0.2	1.8	0.05	8.09	7.42	27.9	353.8	0.21	384	BROWN	NONE
1044	0.2	2.0	0.05	8.09	7.43	27.8	355.9	0.20	367	BROWN	NONE
1048	0.2	2.2	0.05	8.09	7.42	27.9	351.2	0.20	379	BROWN	NONE

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JESSE BECKLES/ Langan	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: **1048**	SAMPLING ENDED AT: **1055**
PUMP OR TUBING DEPTH IN WELL (feet): **24**	TUBING MATERIAL CODE: S, **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)
TMW-01D	3	CG	120 mL	HCL/ICE	-	-	VOH 8260	APP	~200

REMARKS: SAMPLE TAKE AFTER THREE CONSECUTIVE READINGS WITHIN ± 10% TURBIDITY
SAL = 0.17 PPT ORP = 0.2292 TDS = -164.8 g/L END NTU = 363 STICK UP = 2.37'

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: **FORMER CHECKERS**	SITE LOCATION: **1401 SW 26TH AVENUE, POMPANO BEACH, FL**	
WELL NO: **TMW-02**	SAMPLE ID: **TMW-02**	DATE: **03-11-2024**

PURGING DATA

WELL DIAMETER (inches): **1**	TUBING DIAMETER (inches): **¼**	WELL SCREEN INTERVAL DEPTH: **6.7** feet to **16.7** feet	STATIC DEPTH TO WATER (feet): **8.21**	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)
= (**16.7** feet – **8.21** feet) X **0.04** gallons/foot = **0.34** 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): **15**	FINAL PUMP OR TUBING DEPTH IN WELL (feet): **10**	PURGING INITIATED AT: **1140**	PURGING ENDED AT: **1212**	TOTAL VOLUME PURGED (gallons): **0.85**

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)
1154	0.35	0.35	0.025	8.30	7.08	25.7	386.2	0.15	123	CLOUDY	NONE
1158	0.1	0.45	0.025	8.30	7.07	25.7	378.3	0.13	71.3	CLOUDY	NONE
1202	0.1	0.55	0.025	8.30	7.06	25.7	377.4	0.11	60.7	CLOUDY	NONE
1206	0.1	0.65	0.025	8.30	7.06	25.7	374.4	0.10	57.9	CLOUDY	NONE
1210	0.1	0.75	0.025	8.30	7.06	25.7	379.2	0.10	53.8	CLOUDY	NONE
1212	0.1	0.85	0.025	8.30	7.06	25.7	378.4	0.10	51.5	CLOUDY	NONE

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JESSE BECKLES/ Langan	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: **1212**	SAMPLING ENDED AT: **1219**
PUMP OR TUBING DEPTH IN WELL (feet): **15**	TUBING MATERIAL CODE: S, **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)
TMW-02	3	CG	120 mL	HCL/ICE	-	-	VOH 8260	APP	~100

REMARKS: SAMPLE TAKE AFTER THREE CONSECUTIVE READINGS WITHIN ± 10% TURBIDITY
SAL = 0.18 PPT ORP = -169.1 Mv TDS = 0.2461 g/L END NTU = 44.8 STICK UP= 2.70'

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: **FORMER CHECKERS**	SITE LOCATION: **1401 SW 26TH AVENUE, POMPANO BEACH, FL**	
WELL NO: **TMW-02D**	SAMPLE ID: **TMW-02D**	DATE: **03-11-2024**

PURGING DATA

WELL DIAMETER (inches): **1**	TUBING DIAMETER (inches): **¼**	WELL SCREEN INTERVAL DEPTH: **19.5** feet to **24.5** feet	STATIC DEPTH TO WATER (feet): **5.84**	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)
= (**24.5** feet – **5.84** feet) X **0.04** gallons/foot = **0.74** 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): **24**	FINAL PUMP OR TUBING DEPTH IN WELL (feet): **20**	PURGING INITIATED AT: **1320**	PURGING ENDED AT: **1342**	TOTAL VOLUME PURGED (gallons): **2.2**

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)
1330	1.0	1.0	0.1	7.42	7.54	27.5	346.9	0.08	118	BROWN	NONE
1334	0.4	1.4	0.1	7.42	7.38	27.3	345.7	0.10	97.9	BROWN	NONE
1338	0.4	1.8	0.1	7.42	7.39	27.3	346.1	0.09	104	BROWN	NONE
1342	0.4	2.2	0.1	7.42	7.38	27.3	346.2	0.08	98.9	BROWN	NONE

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JESSE BECKLES/ Langan	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: **1342**	SAMPLING ENDED AT: **1349**

PUMP OR TUBING DEPTH IN WELL (feet): **20**	TUBING MATERIAL CODE: S, **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			
TMW-02D	3	CG	120 mL	HCL/ICE	-	-	VOH 8260	APP	~400

REMARKS: SAMPLE TAKE AFTER THREE CONSECUTIVE READINGS WITHIN ± 10% TURBIDITY
SAL = 0.17 PPT ORP = -142.1 Mv TDS = 0.2260 g/L END NTU = 94.0 STICK UP= 1.46'

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: **FORMER CHECKERS**	SITE LOCATION: **1401 SW 26TH AVENUE, POMPANO BEACH, FL**
WELL NO: **TMW-03**	SAMPLE ID: **TMW-03**	DATE: **03-11-2024**

PURGING DATA

WELL DIAMETER (inches): **1**	TUBING DIAMETER (inches): **¼**	WELL SCREEN INTERVAL DEPTH: **4.7** feet to **14.7** feet	STATIC DEPTH TO WATER (feet): **~7.17**	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)
= (**14.7** feet – **7.17** feet) X **0.04** gallons/foot = **0.30** 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): **13**	FINAL PUMP OR TUBING DEPTH IN WELL (feet): **13**	PURGING INITIATED AT: **1107**	PURGING ENDED AT: **1127**	TOTAL VOLUME PURGED (gallons): **1.4**

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)
1115	0.8	0.8	0.05	7.53	7.30	26.4	210.5	2.18	107	BROWN	NONE
1119	0.2	1.0	0.05	7.53	7.31	26.4	210.2	2.05	92.3	BROWN	NONE
1123	0.2	1.2	0.05	7.53	7.23	26.4	210.8	2.02	86.8	BROWN	NONE
1127	0.2	1.4	0.05	7.53	7.22	26.5	211.8	1.68	83.5	BROWN	NONE

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JESSE BECKLES/ Langan	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: **1127**	SAMPLING ENDED AT: **1134**

PUMP OR TUBING DEPTH IN WELL (feet): **11**	TUBING MATERIAL CODE: S, **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)
TMW-03	3	CG	120 mL	HCL/ICE	-	-	VOH 8260	APP	~400

REMARKS: SAMPLE TAKE AFTER THREE CONSECUTIVE READINGS WITHIN ± 10% TURBIDITY
SAL = 0.20 PPT ORP = -121.5 Mv TDS = 0.2811 g/L END NTU = 84.8 STICK UP = 2.67'

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: **FORMER CHECKERS**	SITE LOCATION: **1401 SW 26TH AVENUE, POMPANO BEACH, FL**	
WELL NO: **TMW-03D**	SAMPLE ID: **TMW-03D**	DATE: **03-11-2024**

PURGING DATA

WELL DIAMETER (inches): **1**	TUBING DIAMETER (inches): **¼**	WELL SCREEN INTERVAL DEPTH: **19.6** feet to **24.6** feet	STATIC DEPTH TO WATER (feet): **5.35**	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)
= (**24.6** feet – **5.35** feet) X **0.04** gallons/foot = **0.77** 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): **24**	FINAL PUMP OR TUBING DEPTH IN WELL (feet): **20**	PURGING INITIATED AT: **1224**	PURGING ENDED AT: **1250**	TOTAL VOLUME PURGED (gallons): **2.0**

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)
1234	1.0	1.0	0.1	5.41	7.46	28.5	329.9	0.06	778	BROWN	NONE
1238	0.4	1.4	0.1	5.41	7.45	28.6	331.1	0.06	602	BROWN	NONE
1242	0.2	1.6	0.05	5.41	7.44	28.6	330.9	0.09	631	BROWN	NONE
1246	0.2	1.8	0.05	5.41	7.45	28.6	329.1	0.09	611	BROWN	NONE
1250	0.2	2.0	0.05	5.41	7.45	28.5	327.6	0.09	645	BROWN	NONE

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JESSE BECKLES/ Langan	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: **1250**	SAMPLING ENDED AT: **1258**

PUMP OR TUBING DEPTH IN WELL (feet): **20**	TUBING MATERIAL CODE: S, **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)
TMW-03D	3	CG	120 mL	HCL/ICE	-	-	VOH 8260	APP	~200

REMARKS: SAMPLE TAKE AFTER THREE CONSECUTIVE READINGS WITHIN ± 10% TURBIDITY
SAL = 0.17 PPT ORP = -95.5 Mv TDS = 0.2284 g/L END NTU = 84.8 STICK UP = 0.65'

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)

FIELD INSTRUMENT CALIBRATION RECORDS - CALIBRATION LOG - PRP

Project Site/FacID: 330135001 - Former Checkers

Calibrated by (Print)/Affiliation: Jesse Beckles LANGAN

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

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

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

Meter/Instrument Name and Unique ID:

CAL	ICV	CCV	Initials	Date	Time	Standard (DO %)	Temp °C	DO Saturation mg/L (100%)**	Response DO (%)	Response mg DO/L	Deviation mg DO/L	Pass or Fail
(CAL)	ICV	CCV	J.B	3.11.24	0809	100%	24.1	8.403	—	8.22	0.183	(P) F
CAL	ICV	CCV				100%						P F
CAL	ICV	CCV				100%						P F
CAL	ICV	CCV				100%						P F
CAL	ICV	CCV				100%						P F
CAL	ICV	CCV				100%						P F

** See Table FS 2200-2 and/or Table FT 1500-1 for Dissolved Oxygen 100% Saturation (mg/L) corresponding to Temperature.

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

Meter/Instrument Name and Unique ID:

CAL	ICV	CCV	Initials	Date	Time	Standard (µmho/cm)	Exp. Date	Lot #	Response (µmho/cm)	Deviation (%)	Pass or Fail
(CAL)	ICV	CCV	J.B	03.11.24	0802	1.413	12.24	3GL1056	1.491	5.526	P (F)
CAL	ICV	CCV	J.B	03.11.24	1407	1.413	12.24	3GL1056	1.417	0.283	(P) F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F

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

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

Meter/Instrument Name and Unique ID:

CAL	ICV	CCV	Initials	Date	Time	Standard (mV)	Exp. Date	Lot #	Response (mV)	Deviation (mV)	Pass or Fail
(CAL)	ICV	CCV	J.B	03.11.24	745	240	10/24	4GA1475	223.3	7.083	P (F)
(CAL)	ICV	CCV	↓	↓	746	240	10/24	4GA1475	240.0	0	(P) F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F

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

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

Deviation (%) = 100-{(Response/Standard)*100}

FIELD INSTRUMENT CALIBRATION RECORDS - CALIBRATION LOG - PRP

Project Site/FacID: _____

Calibrated by (Print)/Affiliation: _____

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

TURBIDITY (REFERENCE: DEP SOP FT 1600) Meter/Instrument Name and Unique ID: HACH 2100Q

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

CAL	ICV	CCV	Initials	Date	Time	Standard (NTU)	Exp. Date	Lot #	Response (NTU)	Deviation (%)	Pass or Fail
(CAL)	ICV	CCV	J.B	3.11.24	0735	20	01.25	A3298	20.1	0.5	(P) F
(CAL)	ICV	CCV	↓	↓		100	02.25	A3304	103	3	(P) F
(CAL)	ICV	CCV				800	01.25	A3297	857	7.125	P (F)
CAL	(ICV)	CCV	↓	↓	0741	10	02.25	A3310	9.76	2.4	(P) F
CAL	ICV	(CCV)	J.B	3.11.24	1401	10	02.25	A3310	9.71	2.9	(P) F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F

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

Meter/Instrument Name and Unique ID: 23F105102 FIELD YSI #1

CAL	ICV	CCV	Initials	Date	Time	Standard (SU)	Exp. Date	Lot #	Response (SU)	Deviation (SU)	Pass or Fail
(CAL)	ICV	CCV	J.B	03.11.24	0750	07.00	01.26	4GA0071	6.53	6.714	P (F)
(CAL)	ICV	CCV	↓	↓	↓	04.00	09.25	3G10465	3.70	7.50	P (F)
(CAL)	ICV	CCV	↓	↓	↓	10.00	09.25	3G10100	10.01	0.1	(P) F
CAL	(ICV)	CCV	↓	↓	0758	07.00	01.26	4GA0071	7.01	0.43	(P) F
CAL	ICV	(CCV)	JB	3.11.24	1359	7.00	01.26	4GA0071	7.07	1.0	(P) F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F

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

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

Deviation (%) = 100-{(Response/Standard)*100}

ATTACHMENT B

GROUNDWATER ANALYTICAL REPORTS AND CHAINS OF CUSTODY

LANGAN

ANALYTICAL REPORT

PREPARED FOR

Attn: Candace Chin Fatt
Langan Engineering and Environmental Services LLC
110 East Broward Boulevard
Suite 1500
Fort Lauderdale, Florida 33301

Generated 3/14/2024 10:30:06 AM

JOB DESCRIPTION

Former Checkers

JOB NUMBER

185-959-1

Eurofins Southeast Fort Lauderdale
5100 Hollywood Blvd Suite 3
Hollywood FL 33021

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization

Generated
3/14/2024 10:30:06 AM

Authorized for release by
Matt Jones, Project Manager I
Matthew.Jones@et.eurofinsus.com
(850)284-4486

Table of Contents

Client: Langan Engineering and Environmental Services LLC
Job ID: 185-959-1
Project/Site: Former Checkers

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Estimated value; value may not be accurate.
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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Job Narrative
185-959-1

Receipt
The samples were received on 3/11/2024 4:21 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.2º C.

GC/MS VOA
Method 8260D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 670-80377 recovered outside control limits for the following analytes: 1,1-Dichloroethene.

Method 8260D: The continuing calibration verification (CCV) associated with batch 670-80377 recovered outside acceptance criteria, low biased, for Bromomethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The continuing calibration verification (CCV) associated with batch 670-80377 recovered above the upper control limit for Chloromethane and Dichlorodifluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 670-80377/3).

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 670-80377 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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

Detection Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 185-959-1
Project/Site: Former Checkers

Client Sample ID: TMW-01 — Lab Sample ID: 185-959-1

No Detections.

Client Sample ID: TMW-01D — Lab Sample ID: 185-959-2

No Detections.

Client Sample ID: TMW-02 — Lab Sample ID: 185-959-3

No Detections.

Client Sample ID: TMW-02D — Lab Sample ID: 185-959-4

No Detections.

Client Sample ID: TMW-03 — Lab Sample ID: 185-959-5

No Detections.

Client Sample ID: TMW-03D — Lab Sample ID: 185-959-6

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Langan Engineering and Environmental Services LLC
Job ID: 185-959-1
Project/Site: Former Checkers

Client Sample ID: TMW-01
Lab Sample ID: 185-959-1
Date Collected: 03/11/24 10:09
Matrix: Water
Date Received: 03/11/24 16:21

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			03/13/24 14:28	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			03/13/24 14:28	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			03/13/24 14:28	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			03/13/24 14:28	1
1,1-Dichloroethene	0.94	U J	1.0	0.94	ug/L			03/13/24 14:28	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			03/13/24 14:28	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			03/13/24 14:28	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			03/13/24 14:28	1
1,3-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			03/13/24 14:28	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			03/13/24 14:28	1
Bromoform	0.75	U	1.0	0.75	ug/L			03/13/24 14:28	1
Bromomethane	0.95	U	2.0	0.95	ug/L			03/13/24 14:28	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			03/13/24 14:28	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			03/13/24 14:28	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			03/13/24 14:28	1
Chloroethane	0.98	U	2.0	0.98	ug/L			03/13/24 14:28	1
Chloroform	0.80	U	5.0	0.80	ug/L			03/13/24 14:28	1
Chloromethane	0.82	U	2.0	0.82	ug/L			03/13/24 14:28	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			03/13/24 14:28	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			03/13/24 14:28	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			03/13/24 14:28	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			03/13/24 14:28	1
Methylene Chloride	5.0	U	10	5.0	ug/L			03/13/24 14:28	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			03/13/24 14:28	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			03/13/24 14:28	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			03/13/24 14:28	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			03/13/24 14:28	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			03/13/24 14:28	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			03/13/24 14:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*106*		*40 - 146*		*03/13/24 14:28*	*1*
4-Bromofluorobenzene (Surr)	*102*		*41 - 142*		*03/13/24 14:28*	*1*
Dibromofluoromethane (Surr)	*117*		*53 - 146*		*03/13/24 14:28*	*1*

Client Sample ID: TMW-01D
Lab Sample ID: 185-959-2
Date Collected: 03/11/24 10:55
Matrix: Water
Date Received: 03/11/24 16:21

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			03/13/24 14:45	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			03/13/24 14:45	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			03/13/24 14:45	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			03/13/24 14:45	1
1,1-Dichloroethene	0.94	U J	1.0	0.94	ug/L			03/13/24 14:45	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			03/13/24 14:45	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			03/13/24 14:45	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			03/13/24 14:45	1
1,3-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			03/13/24 14:45	1

Client Sample ID: TMW-01D

Date Collected: 03/11/24 10:55
Date Received: 03/11/24 16:21

Lab Sample ID: 185-959-2

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			03/13/24 14:45	1
Bromoform	0.75	U	1.0	0.75	ug/L			03/13/24 14:45	1
Bromomethane	0.95	U	2.0	0.95	ug/L			03/13/24 14:45	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			03/13/24 14:45	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			03/13/24 14:45	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			03/13/24 14:45	1
Chloroethane	0.98	U	2.0	0.98	ug/L			03/13/24 14:45	1
Chloroform	0.80	U	5.0	0.80	ug/L			03/13/24 14:45	1
Chloromethane	0.82	U	2.0	0.82	ug/L			03/13/24 14:45	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			03/13/24 14:45	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			03/13/24 14:45	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			03/13/24 14:45	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			03/13/24 14:45	1
Methylene Chloride	5.0	U	10	5.0	ug/L			03/13/24 14:45	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			03/13/24 14:45	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			03/13/24 14:45	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			03/13/24 14:45	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			03/13/24 14:45	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			03/13/24 14:45	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			03/13/24 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*40 - 146*		*03/13/24 14:45*	*1*
4-Bromofluorobenzene (Surr)	*103*		*41 - 142*		*03/13/24 14:45*	*1*
Dibromofluoromethane (Surr)	*116*		*53 - 146*		*03/13/24 14:45*	*1*

Client Sample ID: TMW-02

Date Collected: 03/11/24 12:19
Date Received: 03/11/24 16:21

Lab Sample ID: 185-959-3

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			03/13/24 15:03	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			03/13/24 15:03	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			03/13/24 15:03	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			03/13/24 15:03	1
1,1-Dichloroethene	0.94	U J	1.0	0.94	ug/L			03/13/24 15:03	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			03/13/24 15:03	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			03/13/24 15:03	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			03/13/24 15:03	1
1,3-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			03/13/24 15:03	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			03/13/24 15:03	1
Bromoform	0.75	U	1.0	0.75	ug/L			03/13/24 15:03	1
Bromomethane	0.95	U	2.0	0.95	ug/L			03/13/24 15:03	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			03/13/24 15:03	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			03/13/24 15:03	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			03/13/24 15:03	1
Chloroethane	0.98	U	2.0	0.98	ug/L			03/13/24 15:03	1
Chloroform	0.80	U	5.0	0.80	ug/L			03/13/24 15:03	1
Chloromethane	0.82	U	2.0	0.82	ug/L			03/13/24 15:03	1

Client Sample ID: TMW-02

Lab Sample ID: 185-959-3

Date Collected: 03/11/24 12:19

Matrix: Water

Date Received: 03/11/24 16:21

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			03/13/24 15:03	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			03/13/24 15:03	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			03/13/24 15:03	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			03/13/24 15:03	1
Methylene Chloride	5.0	U	10	5.0	ug/L			03/13/24 15:03	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			03/13/24 15:03	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			03/13/24 15:03	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			03/13/24 15:03	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			03/13/24 15:03	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			03/13/24 15:03	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			03/13/24 15:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*40 - 146*		*03/13/24 15:03*	*1*
4-Bromofluorobenzene (Surr)	*100*		*41 - 142*		*03/13/24 15:03*	*1*
Dibromofluoromethane (Surr)	*116*		*53 - 146*		*03/13/24 15:03*	*1*

Client Sample ID: TMW-02D

Lab Sample ID: 185-959-4

Date Collected: 03/11/24 13:49

Matrix: Water

Date Received: 03/11/24 16:21

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			03/13/24 15:21	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			03/13/24 15:21	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			03/13/24 15:21	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			03/13/24 15:21	1
1,1-Dichloroethene	0.94	U J	1.0	0.94	ug/L			03/13/24 15:21	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			03/13/24 15:21	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			03/13/24 15:21	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			03/13/24 15:21	1
1,3-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			03/13/24 15:21	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			03/13/24 15:21	1
Bromoform	0.75	U	1.0	0.75	ug/L			03/13/24 15:21	1
Bromomethane	0.95	U	2.0	0.95	ug/L			03/13/24 15:21	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			03/13/24 15:21	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			03/13/24 15:21	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			03/13/24 15:21	1
Chloroethane	0.98	U	2.0	0.98	ug/L			03/13/24 15:21	1
Chloroform	0.80	U	5.0	0.80	ug/L			03/13/24 15:21	1
Chloromethane	0.82	U	2.0	0.82	ug/L			03/13/24 15:21	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			03/13/24 15:21	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			03/13/24 15:21	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			03/13/24 15:21	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			03/13/24 15:21	1
Methylene Chloride	5.0	U	10	5.0	ug/L			03/13/24 15:21	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			03/13/24 15:21	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			03/13/24 15:21	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			03/13/24 15:21	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			03/13/24 15:21	1

Client Sample ID: TMW-02D

Lab Sample ID: 185-959-4

Date Collected: 03/11/24 13:49

Matrix: Water

Date Received: 03/11/24 16:21

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			03/13/24 15:21	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			03/13/24 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*40 - 146*		*03/13/24 15:21*	*1*
4-Bromofluorobenzene (Surr)	*100*		*41 - 142*		*03/13/24 15:21*	*1*
Dibromofluoromethane (Surr)	*115*		*53 - 146*		*03/13/24 15:21*	*1*

Client Sample ID: TMW-03

Lab Sample ID: 185-959-5

Date Collected: 03/11/24 11:34

Matrix: Water

Date Received: 03/11/24 16:21

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			03/13/24 15:38	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			03/13/24 15:38	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			03/13/24 15:38	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			03/13/24 15:38	1
1,1-Dichloroethene	0.94	U J	1.0	0.94	ug/L			03/13/24 15:38	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			03/13/24 15:38	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			03/13/24 15:38	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			03/13/24 15:38	1
1,3-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			03/13/24 15:38	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			03/13/24 15:38	1
Bromoform	0.75	U	1.0	0.75	ug/L			03/13/24 15:38	1
Bromomethane	0.95	U	2.0	0.95	ug/L			03/13/24 15:38	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			03/13/24 15:38	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			03/13/24 15:38	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			03/13/24 15:38	1
Chloroethane	0.98	U	2.0	0.98	ug/L			03/13/24 15:38	1
Chloroform	0.80	U	5.0	0.80	ug/L			03/13/24 15:38	1
Chloromethane	0.82	U	2.0	0.82	ug/L			03/13/24 15:38	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			03/13/24 15:38	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			03/13/24 15:38	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			03/13/24 15:38	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			03/13/24 15:38	1
Methylene Chloride	5.0	U	10	5.0	ug/L			03/13/24 15:38	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			03/13/24 15:38	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			03/13/24 15:38	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			03/13/24 15:38	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			03/13/24 15:38	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			03/13/24 15:38	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			03/13/24 15:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*40 - 146*		*03/13/24 15:38*	*1*
4-Bromofluorobenzene (Surr)	*101*		*41 - 142*		*03/13/24 15:38*	*1*
Dibromofluoromethane (Surr)	*118*		*53 - 146*		*03/13/24 15:38*	*1*

Client: Langan Engineering and Environmental Services LLC
Job ID: 185-959-1
Project/Site: Former Checkers

Client Sample ID: TMW-03D
Lab Sample ID: 185-959-6
Date Collected: 03/11/24 12:58
Matrix: Water
Date Received: 03/11/24 16:21

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			03/13/24 15:56	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			03/13/24 15:56	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			03/13/24 15:56	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			03/13/24 15:56	1
1,1-Dichloroethene	0.94	U J	1.0	0.94	ug/L			03/13/24 15:56	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			03/13/24 15:56	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			03/13/24 15:56	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			03/13/24 15:56	1
1,3-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			03/13/24 15:56	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			03/13/24 15:56	1
Bromoform	0.75	U	1.0	0.75	ug/L			03/13/24 15:56	1
Bromomethane	0.95	U	2.0	0.95	ug/L			03/13/24 15:56	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			03/13/24 15:56	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			03/13/24 15:56	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			03/13/24 15:56	1
Chloroethane	0.98	U	2.0	0.98	ug/L			03/13/24 15:56	1
Chloroform	0.80	U	5.0	0.80	ug/L			03/13/24 15:56	1
Chloromethane	0.82	U	2.0	0.82	ug/L			03/13/24 15:56	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			03/13/24 15:56	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			03/13/24 15:56	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			03/13/24 15:56	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			03/13/24 15:56	1
Methylene Chloride	5.0	U	10	5.0	ug/L			03/13/24 15:56	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			03/13/24 15:56	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			03/13/24 15:56	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			03/13/24 15:56	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			03/13/24 15:56	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			03/13/24 15:56	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			03/13/24 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*40 - 146*		*03/13/24 15:56*	*1*
4-Bromofluorobenzene (Surr)	*102*		*41 - 142*		*03/13/24 15:56*	*1*
Dibromofluoromethane (Surr)	*115*		*53 - 146*		*03/13/24 15:56*	*1*

Client: Langan Engineering and Environmental Services LLC
Job ID: 185-959-1
Project/Site: Former Checkers

Method: 8260D - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)								
		TOL	BFB	DBFM						
Lab Sample ID	Client Sample ID	(40-146)	(41-142)	(53-146)						
185-959-1	TMW-01	106	102	117						
185-959-2	TMW-01D	104	103	116						
185-959-3	TMW-02	105	100	116						
185-959-4	TMW-02D	105	100	115						
185-959-5	TMW-03	105	101	118						
185-959-6	TMW-03D	105	102	115						
670-36246-G-1 MS	Matrix Spike	98	101	102						
670-36246-G-1 MSD	Matrix Spike Duplicate	98	100	101						
LCS 670-80377/4	Lab Control Sample	100	99	100						
LCSD 670-80377/5	Lab Control Sample Dup	100	101	101						
MB 670-80377/8	Method Blank	105	103	115						

Surrogate Legend

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

Client: Langan Engineering and Environmental Services LLC
Project/Site: Former Checkers

Job ID: 185-959-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 670-80377/8
Matrix: Water
Analysis Batch: 80377

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			03/13/24 11:27	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			03/13/24 11:27	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			03/13/24 11:27	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			03/13/24 11:27	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			03/13/24 11:27	1
1,2-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			03/13/24 11:27	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			03/13/24 11:27	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			03/13/24 11:27	1
1,3-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			03/13/24 11:27	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			03/13/24 11:27	1
Bromoform	0.75	U	1.0	0.75	ug/L			03/13/24 11:27	1
Bromomethane	0.95	U	2.0	0.95	ug/L			03/13/24 11:27	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			03/13/24 11:27	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			03/13/24 11:27	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			03/13/24 11:27	1
Chloroethane	0.98	U	2.0	0.98	ug/L			03/13/24 11:27	1
Chloroform	0.80	U	5.0	0.80	ug/L			03/13/24 11:27	1
Chloromethane	0.82	U	2.0	0.82	ug/L			03/13/24 11:27	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			03/13/24 11:27	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			03/13/24 11:27	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			03/13/24 11:27	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			03/13/24 11:27	1
Methylene Chloride	5.0	U	10	5.0	ug/L			03/13/24 11:27	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			03/13/24 11:27	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			03/13/24 11:27	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			03/13/24 11:27	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			03/13/24 11:27	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			03/13/24 11:27	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			03/13/24 11:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*40 - 146*		*03/13/24 11:27*	*1*
4-Bromofluorobenzene (Surr)	*103*		*41 - 142*		*03/13/24 11:27*	*1*
Dibromofluoromethane (Surr)	*115*		*53 - 146*		*03/13/24 11:27*	*1*

Lab Sample ID: LCS 670-80377/4
Matrix: Water
Analysis Batch: 80377

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	22.1		ug/L		111	57 - 148
1,1,2,2-Tetrachloroethane	20.0	19.8		ug/L		99	60 - 139
1,1,2-Trichloroethane	20.0	22.2		ug/L		111	57 - 141
1,1-Dichloroethane	20.0	24.2		ug/L		121	57 - 142
1,1-Dichloroethene	20.0	23.9		ug/L		120	47 - 139
1,2-Dichlorobenzene	20.0	19.9		ug/L		100	63 - 131
1,2-Dichloroethane	20.0	22.6		ug/L		113	50 - 156
1,2-Dichloropropane	20.0	23.2		ug/L		116	61 - 133

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

Lab Sample ID: LCS 670-80377/4
Matrix: Water
Analysis Batch: 80377

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,3-Dichlorobenzene	20.0	20.1		ug/L		100	66 - 129
1,4-Dichlorobenzene	20.0	20.3		ug/L		102	65 - 133
Bromoform	20.0	19.3		ug/L		96	46 - 148
Bromomethane	20.0	16.1		ug/L		81	10 - 173
Carbon tetrachloride	20.0	23.6		ug/L		118	54 - 156
Chlorobenzene	20.0	21.0		ug/L		105	51 - 139
Chlorodibromomethane	20.0	21.7		ug/L		108	50 - 140
Chloroethane	20.0	18.9		ug/L		94	27 - 180
Chloroform	20.0	23.2		ug/L		116	58 - 139
Chloromethane	20.0	25.8		ug/L		129	33 - 154
cis-1,2-Dichloroethene	20.0	24.6		ug/L		123	56 - 128
cis-1,3-Dichloropropene	20.0	18.8		ug/L		94	64 - 128
Dichlorobromomethane	20.0	21.9		ug/L		110	58 - 135
Dichlorodifluoromethane	20.0	22.5		ug/L		113	10 - 180
Methylene Chloride	20.0	23.1		ug/L		115	43 - 142
Tetrachloroethene	20.0	23.3		ug/L		116	60 - 147
trans-1,2-Dichloroethene	20.0	22.0		ug/L		110	54 - 134
trans-1,3-Dichloropropene	20.0	20.8		ug/L		104	65 - 149
Trichloroethene	20.0	21.5		ug/L		107	62 - 135
Trichlorofluoromethane	20.0	20.9		ug/L		105	56 - 155
Vinyl chloride	20.0	21.9		ug/L		109	20 - 167

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*40 - 146*
4-Bromofluorobenzene (Surr)	*99*		*41 - 142*
Dibromofluoromethane (Surr)	*100*		*53 - 146*

Lab Sample ID: LCSD 670-80377/5
Matrix: Water
Analysis Batch: 80377

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
1,1,1-Trichloroethane	20.0	19.6		ug/L		98	57 - 148	12	25
1,1,2,2-Tetrachloroethane	20.0	18.8		ug/L		94	60 - 139	5	17
1,1,2-Trichloroethane	20.0	19.9		ug/L		99	57 - 141	11	16
1,1-Dichloroethane	20.0	21.4		ug/L		107	57 - 142	12	24
1,1-Dichloroethene	20.0	20.0	J	ug/L		100	47 - 139	18	16
1,2-Dichlorobenzene	20.0	18.4		ug/L		92	63 - 131	8	25
1,2-Dichloroethane	20.0	20.8		ug/L		104	50 - 156	8	18
1,2-Dichloropropane	20.0	20.5		ug/L		103	61 - 133	12	26
1,3-Dichlorobenzene	20.0	18.5		ug/L		93	66 - 129	8	23
1,4-Dichlorobenzene	20.0	17.8		ug/L		89	65 - 133	13	23
Bromoform	20.0	18.5		ug/L		93	46 - 148	4	18
Bromomethane	20.0	14.5		ug/L		73	10 - 173	11	29
Carbon tetrachloride	20.0	21.0		ug/L		105	54 - 156	12	27
Chlorobenzene	20.0	18.7		ug/L		93	51 - 139	12	13
Chlorodibromomethane	20.0	18.9		ug/L		95	50 - 140	14	18
Chloroethane	20.0	17.0		ug/L		85	27 - 180	10	22

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

Lab Sample ID: LCSD 670-80377/5
Matrix: Water
Analysis Batch: 80377

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloroform			20.0	20.2		ug/L		101	58 - 139	14	17
Chloromethane			20.0	23.0		ug/L		115	33 - 154	11	31
cis-1,2-Dichloroethene			20.0	21.7		ug/L		109	56 - 128	13	17
cis-1,3-Dichloropropene			20.0	17.2		ug/L		86	64 - 128	8	20
Dichlorobromomethane			20.0	20.0		ug/L		100	58 - 135	9	19
Dichlorodifluoromethane			20.0	19.7		ug/L		98	10 - 180	13	26
Methylene Chloride			20.0	20.4		ug/L		102	43 - 142	12	23
Tetrachloroethene			20.0	20.3		ug/L		102	60 - 147	14	21
trans-1,2-Dichloroethene			20.0	19.4		ug/L		97	54 - 134	12	20
trans-1,3-Dichloropropene			20.0	19.4		ug/L		97	65 - 149	7	17
Trichloroethene			20.0	19.4		ug/L		97	62 - 135	10	20
Trichlorofluoromethane			20.0	18.0		ug/L		90	56 - 155	15	22
Vinyl chloride			20.0	19.0		ug/L		95	20 - 167	14	24

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*40 - 146*
4-Bromofluorobenzene (Surr)	*101*		*41 - 142*
Dibromofluoromethane (Surr)	*101*		*53 - 146*

Lab Sample ID: 670-36246-G-1 MS
Matrix: Water
Analysis Batch: 80377

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.80	U	20.0	15.0		ug/L		75	57 - 148
1,1,2,2-Tetrachloroethane	0.54	U	20.0	12.6		ug/L		63	60 - 139
1,1,2-Trichloroethane	0.76	U	20.0	13.3		ug/L		66	57 - 141
1,1-Dichloroethane	0.62	U	20.0	15.2		ug/L		76	57 - 142
1,1-Dichloroethene	0.94	U	20.0	15.4		ug/L		77	49 - 139
1,2-Dichlorobenzene	0.73	U	20.0	12.6		ug/L		63	63 - 131
1,2-Dichloroethane	0.63	U	20.0	13.7		ug/L		69	50 - 156
1,2-Dichloropropane	0.80	U	20.0	14.4		ug/L		72	61 - 133
1,3-Dichlorobenzene	0.77	U	20.0	12.8	J	ug/L		64	66 - 129
1,4-Dichlorobenzene	0.76	U	20.0	12.8	J	ug/L		64	65 - 133
Bromoform	0.75	U	20.0	12.5		ug/L		63	46 - 148
Bromomethane	0.95	U	20.0	14.0		ug/L		70	10 - 173
Carbon tetrachloride	0.94	U	20.0	15.7		ug/L		79	54 - 156
Chlorobenzene	0.72	U	20.0	13.2		ug/L		66	51 - 139
Chlorodibromomethane	0.50	U	20.0	13.5		ug/L		67	50 - 150
Chloroethane	0.98	U	20.0	17.2		ug/L		86	27 - 180
Chloroform	0.80	U	20.0	14.6		ug/L		73	59 - 139
Chloromethane	0.82	U	20.0	24.5		ug/L		123	33 - 154
cis-1,2-Dichloroethene	0.53	U	20.0	15.3		ug/L		77	56 - 128
cis-1,3-Dichloropropene	0.59	U	20.0	11.2	J	ug/L		56	64 - 128
Dichlorobromomethane	0.52	U	20.0	13.9		ug/L		70	58 - 135
Dichlorodifluoromethane	0.74	U	20.0	22.5		ug/L		112	10 - 180
Methylene Chloride	5.0	U	20.0	14.0		ug/L		70	43 - 142
Tetrachloroethene	0.76	U	20.0	14.8		ug/L		74	60 - 147

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

Lab Sample ID: 670-36246-G-1 MS
Matrix: Water
Analysis Batch: 80377

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
trans-1,2-Dichloroethene	0.73	U	20.0	14.1		ug/L		70	54 - 134
trans-1,3-Dichloropropene	0.73	U	20.0	13.2		ug/L		66	65 - 149
Trichloroethene	0.89	U	20.0	14.1		ug/L		70	62 - 135
Trichlorofluoromethane	0.94	U	20.0	20.6		ug/L		103	56 - 155
Vinyl chloride	0.71	U	20.0	21.2		ug/L		106	20 - 167

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*40 - 146*
4-Bromofluorobenzene (Surr)	*101*		*41 - 142*
Dibromofluoromethane (Surr)	*102*		*53 - 146*

Lab Sample ID: 670-36246-G-1 MSD
Matrix: Water
Analysis Batch: 80377

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.80	U	20.0	13.7		ug/L		68	57 - 148	9	25
1,1,2,2-Tetrachloroethane	0.54	U	20.0	12.3		ug/L		61	60 - 139	2	17
1,1,2-Trichloroethane	0.76	U	20.0	13.3		ug/L		66	57 - 141	0	16
1,1-Dichloroethane	0.62	U	20.0	14.5		ug/L		73	57 - 142	4	24
1,1-Dichloroethene	0.94	U	20.0	14.5		ug/L		72	49 - 139	6	16
1,2-Dichlorobenzene	0.73	U	20.0	12.2	J	ug/L		61	63 - 131	3	25
1,2-Dichloroethane	0.63	U	20.0	13.9		ug/L		69	50 - 156	1	18
1,2-Dichloropropane	0.80	U	20.0	13.1		ug/L		66	61 - 133	9	26
1,3-Dichlorobenzene	0.77	U	20.0	12.2	J	ug/L		61	66 - 129	5	23
1,4-Dichlorobenzene	0.76	U	20.0	11.8	J	ug/L		59	65 - 133	8	23
Bromoform	0.75	U	20.0	12.0		ug/L		60	46 - 148	5	18
Bromomethane	0.95	U	20.0	13.9		ug/L		70	10 - 173	0	29
Carbon tetrachloride	0.94	U	20.0	14.2		ug/L		71	54 - 156	10	27
Chlorobenzene	0.72	U	20.0	12.4		ug/L		62	51 - 139	6	13
Chlorodibromomethane	0.50	U	20.0	13.0		ug/L		65	50 - 150	4	18
Chloroethane	0.98	U	20.0	16.9		ug/L		85	27 - 180	1	22
Chloroform	0.80	U	20.0	13.8		ug/L		69	59 - 139	6	17
Chloromethane	0.82	U	20.0	23.0		ug/L		115	33 - 154	6	31
cis-1,2-Dichloroethene	0.53	U	20.0	15.0		ug/L		75	56 - 128	2	17
cis-1,3-Dichloropropene	0.59	U	20.0	11.0	J	ug/L		55	64 - 128	2	20
Dichlorobromomethane	0.52	U	20.0	13.5		ug/L		67	58 - 135	3	19
Dichlorodifluoromethane	0.74	U	20.0	20.5		ug/L		103	10 - 180	9	26
Methylene Chloride	5.0	U	20.0	13.5		ug/L		67	43 - 142	4	23
Tetrachloroethene	0.76	U	20.0	14.4		ug/L		72	60 - 147	3	21
trans-1,2-Dichloroethene	0.73	U	20.0	13.1		ug/L		66	54 - 134	7	20
trans-1,3-Dichloropropene	0.73	U	20.0	12.2	J	ug/L		61	65 - 149	8	17
Trichloroethene	0.89	U	20.0	13.6		ug/L		68	62 - 135	4	20
Trichlorofluoromethane	0.94	U	20.0	19.7		ug/L		98	56 - 155	5	22
Vinyl chloride	0.71	U	20.0	20.9		ug/L		105	20 - 167	1	24

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*40 - 146*

Client: Langan Engineering and Environmental Services LLC
Job ID: 185-959-1
Project/Site: Former Checkers

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

Lab Sample ID: 670-36246-G-1 MSD
Matrix: Water
Analysis Batch: 80377

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

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*100*		*41 - 142*
Dibromofluoromethane (Surr)	*101*		*53 - 146*

Client: Langan Engineering and Environmental Services LLC
Job ID: 185-959-1
Project/Site: Former Checkers

GC/MS VOA

Analysis Batch: 80377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
185-959-1	TMW-01	Total/NA	Water	8260D	
185-959-2	TMW-01D	Total/NA	Water	8260D	
185-959-3	TMW-02	Total/NA	Water	8260D	
185-959-4	TMW-02D	Total/NA	Water	8260D	
185-959-5	TMW-03	Total/NA	Water	8260D	
185-959-6	TMW-03D	Total/NA	Water	8260D	
MB 670-80377/8	Method Blank	Total/NA	Water	8260D	
LCS 670-80377/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 670-80377/5	Lab Control Sample Dup	Total/NA	Water	8260D	
670-36246-G-1 MS	Matrix Spike	Total/NA	Water	8260D	
670-36246-G-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Client: Langan Engineering and Environmental Services LLC
Job ID: 185-959-1
Project/Site: Former Checkers

Client Sample ID: TMW-01
Lab Sample ID: 185-959-1
Date Collected: 03/11/24 10:09
Matrix: Water
Date Received: 03/11/24 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	80377	KG	EET ORL	03/13/24 14:28

Client Sample ID: TMW-01D
Lab Sample ID: 185-959-2
Date Collected: 03/11/24 10:55
Matrix: Water
Date Received: 03/11/24 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	80377	KG	EET ORL	03/13/24 14:45

Client Sample ID: TMW-02
Lab Sample ID: 185-959-3
Date Collected: 03/11/24 12:19
Matrix: Water
Date Received: 03/11/24 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	80377	KG	EET ORL	03/13/24 15:03

Client Sample ID: TMW-02D
Lab Sample ID: 185-959-4
Date Collected: 03/11/24 13:49
Matrix: Water
Date Received: 03/11/24 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	80377	KG	EET ORL	03/13/24 15:21

Client Sample ID: TMW-03
Lab Sample ID: 185-959-5
Date Collected: 03/11/24 11:34
Matrix: Water
Date Received: 03/11/24 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	80377	KG	EET ORL	03/13/24 15:38

Client Sample ID: TMW-03D
Lab Sample ID: 185-959-6
Date Collected: 03/11/24 12:58
Matrix: Water
Date Received: 03/11/24 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	80377	KG	EET ORL	03/13/24 15:56

Laboratory References:

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

Client: Langan Engineering and Environmental Services LLC
Job ID: 185-959-1
Project/Site: Former Checkers

Laboratory: Eurofins Orlando

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	42800	06-30-24
Arkansas (DW)	State	FL00091	06-30-24
Florida	NELAP	E83018	06-30-24
Georgia (DW)	State	C055	06-30-24
Louisiana (All)	NELAP	239316	06-30-24
Louisiana (DW)	State	LA039	05-24-24
Mississippi	State	MS00007	06-30-24
New Mexico	State	FL00091	06-30-24
North Carolina (DW)	State	12712	07-31-24
Oklahoma	State	2308	08-31-24
Tennessee	State	TN04930	06-30-24
Texas	NELAP	T104704571	02-28-25
Washington	State	C1089	10-19-24

Client: Langan Engineering and Environmental Services LLC
Job ID: 185-959-1
Project/Site: Former Checkers

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET ORL
5030C	Purge and Trap	SW846	EET ORL

Protocol References:

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

Laboratory References:

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

Sample Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 185-959-1
Project/Site: Former Checkers

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
185-959-1	TMW-01	Water	03/11/24 10:09	03/11/24 16:21
185-959-2	TMW-01D	Water	03/11/24 10:55	03/11/24 16:21
185-959-3	TMW-02	Water	03/11/24 12:19	03/11/24 16:21
185-959-4	TMW-02D	Water	03/11/24 13:49	03/11/24 16:21
185-959-5	TMW-03	Water	03/11/24 11:34	03/11/24 16:21
185-959-6	TMW-03D	Water	03/11/24 12:58	03/11/24 16:21

Eurofins Altamonte Springs
481 Newburyport Avenue
Altamonte Springs, FL 32701
Phone 407-343-8006

Chain of Custody Record

eurofins | Environment Testing America

3/14/2024

Client Information	Sampler: Jesse Beckles	Lab PM: Matthew Jones	Carrier Tracking No(s):	COC No:
Client Contact: Candace Chin Fatt	Phone: 954-649-6395	E-Mail: Matthew.Jones@ET.eurofinsus.com	State of Origin: FL	Page: Page 1 of 1
Company: Langan Engineering	PWSID:			Job #: 330135001
Address: 110 E. Broward Blvd, Suite 1500	Due Date Requested:			
City: FT Lauderdale	TAT Requested (days): STANDARD			
State, Zip: FL 33301	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 330 135001			
Email: CChinFatt@LANGAN.COM	WO #:			
Project Name: Former Checkers	Project #: 33013501			
Site: FAC#	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)	8260 VOH	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
TMW-01	03/11/24	1009	G-RAB	W			X		
TMW-01D		1055					X		
TMW-02		1219					X		
TMW-02D		1349					X		
TMW-03		1134					X		
TMW-03D		1253					X		

185-959 Chain of Custody

Loc 185
959

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: 03 11 24	Company: LANGAN	Received by:	Date/Time: 3-11-24	Company: EU
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.2°C IR FLL-QA-007

Ver 01/16/2019

Eurofins Fort Lauderdale
5100 Hollywood Blvd Suite 3
Hollywood, FL 33021
Phone: 954-342-9006 Fax: 954-342-9006

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Jones, Matt	Carrier Tracking No(s):	COC No: 185-806.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Matthew.Jones@et.eurofinsus.com	State of Origin: Florida	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast,		Accreditations Required (See note):		Job #: 185-959-1
Address: 481 Newburyport Avenue, ,	Due Date Requested: 3/15/2024			
City: Altamonte Springs	TAT Requested (days):			
State, Zip: FL, 32701				
Phone: 407-339-5984(Tel) 407-260-6110(Fax)	PO #:			
Email:	WO #:			
Project Name: Former Checkers	Project #: 67004571			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, 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)	8260D/5030C VOHs	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
TMW-01 (185-959-1)	3/11/24	10:09 Eastern		Water			X	3	
TMW-01D (185-959-2)	3/11/24	10:55 Eastern		Water			X	3	
TMW-02 (185-959-3)	3/11/24	12:19 Eastern		Water			X	3	
TMW-02D (185-959-4)	3/11/24	13:49 Eastern		Water			X	3	
TMW-03 (185-959-5)	3/11/24	11:34 Eastern		Water			X	3	
TMW-03D (185-959-6)	3/11/24	12:58 Eastern		Water			X	3	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

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
Joshua Moore	3-11-24	EU	BR	3/12 800	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.1

Login Sample Receipt Checklist

Client: Langan Engineering and Environmental Services LLC

Job Number: 185-959-1

Login Number: 959

List Number: 1

Creator: Moas, Andres

List Source: Eurofins Southeast Fort Lauderdale

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: Langan Engineering and Environmental Services LLC

Job Number: 185-959-1

Login Number: 959
List Number: 2
Creator: Hartley, Tyler

List Source: Eurofins Orlando
List Creation: 03/12/24 08:48 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	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	