MOVE YOUR ENVIRONMENT FORWARD

September 12, 2022

Ms. Donna Dilling
RMG Retail, Inc.
15738 Ponce De Leon Blvd
Brooksville, FL 34601

RE: GROUNDWATER SAMPLING EVENT - REPORT OF FINDINGS
Des Champs Corner (FDEP Facility ID No. 27/8508782)
15738 Ponce de Leon Blvd., Brooksville, FL
HRP Project No. DIL4000.WM

Dear Ms. Dilling:

HRP Associates, Inc. (HRP) presents this report of findings for the groundwater sampling event completed at the Des Champs Corner property (Florida Department of Environmental Protection (FDEP) ID No. 27/8508782, "Site"). A Site map is included as **Figure 1**. This groundwater sampling event was performed in accordance with HRP Proposal #OPP 2022-11678 dated July 14, 2022.

BACKGROUND

The Site currently operates as a retail gasoline station. Soil contamination was reportedly encountered at the Site in 2011 during underground storage tank (UST) upgrade activities. A discharge reporting form was submitted to FDEP in April 2011. In response, the Site was identified as a Leaking Underground Storage Tank (LUST) site (FDEP Facility ID No. 8508782) and FDEP directed contaminant assessment activities under a Non-Program Indigent Consent Order with the former owner.

A preliminary Limited Site Assessment (LSA) was performed by The FGS Group (FGS), a FDEP designated contractor, in 2015. The purpose of that LSA was to assess for the potential presence of petroleum constituents in soil and groundwater around the UST and associated pump dispenser island. FGS reported that residual petroleum constituents detected in soil did not exceed FDEP cleanup standards. Groundwater testing indicated several petroleum constituents above groundwater cleanup standards and additional groundwater assessment work was recommended.

No Site assessment work has been performed at the Site since the July 2015 LSA.

FIELD METHODS

HRP collected groundwater samples from the Site on July 28, 2022 in general accordance with FDEP Standard Operating Procedures (SOPs) for groundwater sampling (DEP-SOP-001/01, FS 2200) and drinking water sampling (DEP-SOP-001/01, FS 2300), and the other applicable SOPs referenced within that document.

Prior to sampling, the depth-to-water was gauged within groundwater monitoring wells MW-1, MW-2, and MW-3. Water level measurements were recorded with reference to the measuring point (the top of the PVC inner casing of the well). The depth to water was measured in MW-3 at 114 feet below ground surface (bgs). Monitoring wells MW-1 and MW-2 were dry (i.e., no water table detected). The water level in the onsite drinking water well (DW1) was not gauged the wellhead was inaccessible. Well records indicate that the drinking water well is 240 feet deep. Depth-to-water measurements are summarized on the Groundwater Sampling Logs (FDEP Form #FD 9000-24) included in **Appendix A**.

Following depth-to-water measurements, groundwater samples were collected from monitoring well MW-3 using a submersible pump, disposable polyethylene tubing, and low flow sampling techniques. HRP personnel recorded water quality field parameters (pH, temperature, turbidity, dissolved oxygen, and conductivity) during the groundwater sample collection using calibrated, portable field instruments. Water quality parameters were recorded on the Ground Sampling Logs included in **Appendix A**.

Monitoring wells MW-1 and MW-2 were dry; therefore, no samples were collected from those wells.

A groundwater sample was collected from the onsite drinking water supply well and was labelled "DW1". The drinking water well is located approximately 150 feet east of monitoring well MW-3. The drinking water sample was collected from a spigot located closest to the well head. The spigot was not fitted with any hoses, aerators or filters and was sufficiently purged to flush the spigot and lines prior to sampling. Sampling of the drinking water well was performed at flow rates prescribed in the FDEP SOP FS 2300.

All collected samples were immediately placed on ice, and submitted under chain-of-custody record to Pace Analytical, a Florida-certified laboratory for the following analyses:

- Volatile Organic Compounds (VOCs);
- Polynuclear Aromatic Hydrocarbons (PAHs);
- Total Recoverable Petroleum Hydrocarbons (TRPH);
- Total lead; and,
- 1,2-Dibromoethane (EDB).

Purge water generated from the monitoring well sampling during this assessment was collected in a 5-gallon plastic container, sealed, and stored onsite pending the analytical results. The laboratory analytical reports are included in **Appendix B**.

QUALITY ASSURANCE/QUALITY CONTROL

Field instruments used as part of this assessment were calibrated in accordance with HRP's internal quality control procedures and laboratory certification requirements.

QA/QC protocols also included the analysis of a field duplicate sample and a field blank sample. One (1) field blank was collected using deionized water to assess ambient field conditions during the sampling event. Petroleum constituents of concern (COCs) were not detected within the field blank sample. One duplicate sample labeled "DUP-1" was also collected from MW-3 for quality assurance/quality control purposes. Analytes and their concentrations were found to be generally similar in both the groundwater sample MW-3 and its field duplicate sample Dup-1.

Typical laboratory quality assurance/quality control (QA/QC) procedures were conducted and included a laboratory method blank, duplicate, and matrix spike samples. The results of the laboratory QA/QC samples indicate that the laboratory data for the submitted groundwater samples are considered reliable, valid and sufficient for the purpose of this assessment.

RESULTS

A copy of the laboratory analytical report is provided as **Appendix B** and the data are summarized on **Table 1**. The laboratory analytical data indicate that petroleum constituents were not detected in the drinking water sample (DW1).

Eleven (11) petroleum COCs were detected above laboratory Practical Quantitation Limit (PQL) in groundwater sample MW-3 including: benzene (111 parts per billion (ppb)), ethylbenzene (73.2 ppb), toluene (2.1 ppb), total xylenes (33.8 ppb), isopropylbenzene (40.8 ppb), methyl-tert-butyl-ether (MTBE) (20.6 ppb), total lead (1.3 ppb), TRPH (11.9 ppb), naphthalene (244 ppb), 1-methyl naphthalene (25.8 ppb), and 2-methylnaphthalene (42 ppb).

The current concentrations of benzene, ethylbenzene, xylenes, isopropylbenzene, MTBE, naphthalene, and 2-methylnaphthalene detected within the MW-3 groundwater sample exceed the FDEP Groundwater Cleanup Target Levels (GCTLs). Of those seven (7) constituents, three (3) constituents (benzene, isopropylbenzene and naphthalene) slightly exceeded FDEP's Natural Attenuation Default Source Concentrations (NADCs). NADC's are not standards but are used to evaluate the appropriateness of remediation by natural attenuation processes.

Historic groundwater analytical data for MW-3 (obtained by FGS in 2015) are also summarized on **Table 1** for comparison. Generally, the current July 2022 data show slightly lower concentrations of toluene, total xylenes, MTBE, TRPH, and benzo(b)fluoranthene in groundwater collected from MW-3 compared to the July 2015 data. Conversely, the concentrations of benzene, ethylbenzene naphthalene, 1-methylnaphthalene, 2-methylnaphthalene, and acenaphthene are slightly higher in groundwater collected from MW-3in the July 2022 data compared to the July 2015 data set.

CONCLUSIONS

The laboratory analytical data indicate that no detectable concentrations of petroleum constituents were present in the drinking water sample (DW1). At this time, no further testing or action appears to be warranted with respect to the onsite drinking water supply well.

Seven (7) petroleum constituents of concern were detected in the MW-3 groundwater sample at concentrations exceeding the FDEP GCTLs. Three (3) of those constituents (benzene, isopropylbenzene and naphthalene) exceeded FDEP NADCs.

The analytical results indicated detectable concentrations of eleven (11) petroleum-related constituents in samples MW-3. Compared to the groundwater data from 2015, the July 2022 data show groundwater contaminant concentrations are slightly increased for six (6) chemicals of concern and decreased for five (5) chemicals of concern.

Based on the current data, further groundwater quality monitoring and Site assessment activities appear to be warranted pursuant to the FDEP's Contaminated Site Cleanup Criteria set forth in 62-780 F.A.C. Additionally, based on the presence of petroleum constituents exceeding FDEP NADCs, remediation by natural attenuation processes may not be a workable cleanup strategy for the Site at this time. HRP recommends that these current groundwater data be shared with FDEP for informational purposes and to further discussions regarding Site cleanup criteria pursuant to 62-780-F.A.C.

Sincerely,

HRP ASSOCIATES, INC.

James Elliott, CHMM, CSP
Project Manager

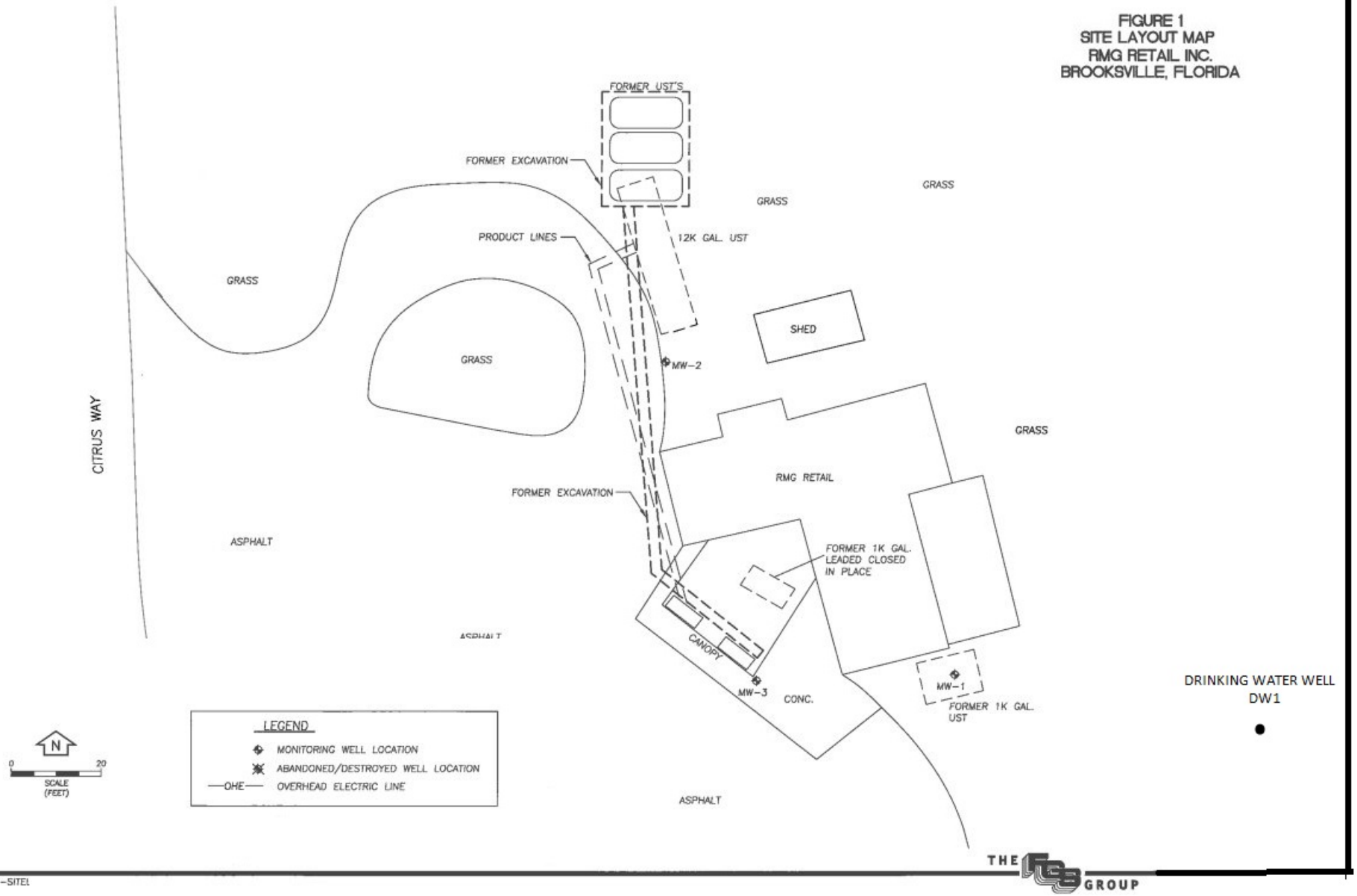
Shaun Malin, P.G.
Regional Manager and Principal

Attachments

Figure 1: Site Map
Table 1: Groundwater Analytical Summary
Appendix A: Groundwater Sampling Logs
Appendix B Laboratory Analytical Report

FIGURES

FIGURE 1
SITE LAYOUT MAP
RMG RETAIL INC.
BROOKSVILLE, FLORIDA



F1-SITE1

THE FCG GROUP

TABLES

TABLE 1
GROUNDWATER SAMPLE RESULTS SUMMARY TABLE
Des Champs Corner (FDEP Facility ID No. 27/8508782)
1538 Ponce De Leon Blvd., Brooksville, FL

Location	Date	Benzene	Ethylbenzene	Toluene	Total Xylenes	Isopropylbenzene	MTBE	Lead (total)	EDB	TRPH	Naphthalene	1-Methylnaphthalene	2-Methylnahthalene	Acenaphthene	Benzo(b)fluoranthene
GCTLs		1	30	40	20	0.8	20	15	0.02	5,000	14	28	28	20	0.05
NADCs		100	300	400	200	8	200	150	2	50,000	140	280	280	200	5
DW1	7/28/2022	0.4U	0.23U	0.28U	0.11U	NA	NA	6.8	0.0076U	0.72U	0.27U	0.035U	0.063U	0.017U	0.025U
MW-3	7/9/2015	**31.2**	**19.7**	14.6	**40.8**	NA	**35.8**	NA	NA	900	**35.3**	4.3	6.1	0.025U	0.0271
	7/28/2022	**111**	**73.2**	2.1	**33.8**	**40.8**	**20.6**	1.3	0.0076U	11.9	**244**	25.8	**42**	*0.042I*	0.024U
MW-3 (Duplicate)	7/28/2022	**79.6**	**63.4**	1.8	**29.8**	**34.5**	16.3	*0.92I*	0.0076U	11.1	**164**	21.8	**35.3**	*0.041I*	0.028U

Notes:
All values reported in micrograms per liter (µg/L), parts per billion (ppb) equivalent
GCTL - Florida Department of Environmental Protection (FDEP) Groundwater Cleanup Target Levels (See 62-777 F.A.C)
NADC - Natural Attenuation Default Source Concentration. Used for technical evaluation of the appropriateness of remediation by natural attenuation processes. (See 62-777 F.A.C)
DW-1 - Drinking water sample
MW-# - Groundwater monitoring well sample
TRPH - Tota Recoverable Petroleum Hydrocarbons
NA - Sample not analyzed for this parameter
U = Analyte was not detected. Detection limit shown.
- Bolded values indicate exceedances of GCTL; Shaded value indicates exceedance of NADCs
I - Analyte detected, but concentration was below method practical quantitation limit
-MTBE - Methyl-tert-butyl-ether
-EDB - 1,2-dibromoethane

APPENDIX A
Groundwater Sampling Logs

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Des Champs Corner	SITE LOCATION: 5788 Ponce De Leon Blvd., Brooksville, FL	
WELL NO: MW-1	SAMPLE ID: N/A	DATE: 7/28/22

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 55 feet to 70 feet	STATIC DEPTH TO WATER (feet): 69.7	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (70 feet – 69.7 feet) X 0.16 gallons/foot = 0 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): 69	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 70	PURGING INITIATED AT: 11:30	PURGING ENDED AT: 11:30	TOTAL VOLUME PURGED (gallons): 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)
11:30	0	0	0	69.7	'--	'--	'--	'--	'--	'--	'--

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: Stephen Luth/HRP Assoc. Inc.	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	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			

REMARKS: No recovery in well. No samples collected.

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: Des Champs Corner	SITE LOCATION: 5788 Ponce De Leon Blvd., Brooksville, FL	
WELL NO: MW-2	SAMPLE ID: N/A	DATE: 7/28/22

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 70 feet to 85 feet	STATIC DEPTH TO WATER (feet): >85	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (85 feet – 85 feet) X 0.16 gallons/foot = 0 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): 69	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 70	PURGING INITIATED AT: 11:30	PURGING ENDED AT: 11:30	TOTAL VOLUME PURGED (gallons): 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)
11:10	0	0	0	Dry	'--	'--	'--	'--	'--	'--	'--

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Stephen Luth/HRP Assoc. Inc.	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	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			

REMARKS: No water detected in well (dry). No samples collected.

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: Des Champs Corner	SITE LOCATION: 5788 Ponce De Leon Blvd., Brooksville, FL	
WELL NO:	SAMPLE ID: MW-3	DATE: 7/28/22

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 115 feet to 130 feet	STATIC DEPTH TO WATER (feet): 114	PURGE PUMP TYPE OR BAILER: ESG

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (130 feet – 114 feet) X 0.16 gallons/foot = 2.56 g 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): 115	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 116	PURGING INITIATED AT: 13:10	PURGING ENDED AT: 14:12	TOTAL VOLUME PURGED (gallons): 1.3 g

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)
13:10	0.44	0.44	0.08	114	7.25	27.9	917	2.6	66	clear	fuel
13:50	0.2	0.64	0.08	115	7.24	27.9	917	2.6	61	clear	fuel
14:02	0.26	0.9	0.08	115	7.20	27.6	907	2.0	43	clear	fuel
14:08	0.2	1.1	0.08	115	6.9	27.2	890	3.1	37.5	clear	fuel
14:12	0.2	1.3	0.08	115	6.9	27.2	876	2.8	47	clear	fuel

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: Stephen Luth/HRP Assoc. Inc.	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 14.25	SAMPLING ENDED AT: 14:35
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: PE	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-3	3	CG	40ml	HCL			8260	ESP	<500
MW-3	2	AG	100ml				8270	ESP	<500
MW-3	2	AG	100ml	H2SO4			FLPRO	ESP	<500
MW-3	1	HDPE	250 ml	HNO3			6010	ESP	<500
MW-3	2	CG	40ml				8011	ESP	<500

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 Report

Pace Analytical Services, LLC
110 South Bayview Blvd.
Oldsmar , FL 34677
(813)881-9401

August 10, 2022

James Elliott
HRP Associates, Inc.
4514 Oak Fair Boulevard
Suite 143
Tampa, FL 33610

RE: Project: DIL 4000WM
Pace Project No.: 35735198

Dear James Elliott:

Enclosed are the analytical results for sample(s) received by the laboratory on July 29, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Ormond Beach

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

Sincerely,

Cameron Meynardie
cameron.meynardie@pacelabs.com
813-855-1844
Project Manager

Enclosures

cc: Accounts Payable, HRP Associates, Inc.

Pace Analytical Services, LLC
110 South Bayview Blvd.
Oldsmar , FL 34677
(813)881-9401

CERTIFICATIONS

Project: DIL 4000WM
Pace Project No.: 35735198

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

Pace Analytical Services, LLC
110 South Bayview Blvd.
Oldsmar , FL 34677
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SAMPLE SUMMARY

Project: DIL 4000WM
Pace Project No.: 35735198

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35735198001	**DW1 (DW samples)**	Drinking Water	07/28/22 12:42	07/29/22 13:16
35735198002	**DW1 (WT samples)**	Water	07/28/22 12:42	07/29/22 13:16
35735198003	**MW3**	Water	07/28/22 14:24	07/29/22 13:16
35735198004	**Dup-1**	Water	07/28/22 14:40	07/29/22 13:16
35735198005	**Field Blank**	Water	07/28/22 14:58	07/29/22 13:16

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SAMPLE ANALYTE COUNT

Project: DIL 4000WM
Pace Project No.: 35735198

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35735198001	**DW1 (DW samples)**	EPA 200.8	BSL	1	PASI-O
		EPA 524.2	AS4	24	PASI-O
35735198002	**DW1 (WT samples)**	EPA 8011	TSW	2	PASI-O
		FL-PRO	PKC	3	PASI-O
		EPA 8270 by SIM	JPB	20	PASI-O
35735198003	**MW3**	EPA 8011	TSW	2	PASI-O
		FL-PRO	PKC	3	PASI-O
		EPA 6020	LEC	1	PASI-O
		EPA 8270 by SIM	JPB	20	PASI-O
		EPA 8260	AS4	57	PASI-O
35735198004	**Dup-1**	EPA 8011	TSW	2	PASI-O
		FL-PRO	PKC	3	PASI-O
		EPA 6020	LEC	1	PASI-O
		EPA 8270 by SIM	JPB	20	PASI-O
		EPA 8260	AS4	57	PASI-O
35735198005	**Field Blank**	EPA 8260	AS4	57	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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ANALYTICAL RESULTS

Project: DIL 4000WM
Pace Project No.: 35735198

Sample: DW1 (DW samples) **Lab ID: 35735198001** Collected: 07/28/22 12:42 Received: 07/29/22 13:16 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Ormond Beach								
Lead	**6.8**	ug/L	1.0	0.22	1		08/09/22 09:44	7439-92-1	
524.2 MSV	Analytical Method: EPA 524.2 Pace Analytical Services - Ormond Beach								
Benzene	**0.40 U**	ug/L	0.50	0.40	1		08/04/22 12:07	71-43-2	
Carbon tetrachloride	**0.28 U**	ug/L	0.50	0.28	1		08/04/22 12:07	56-23-5	1p
Chlorobenzene	**0.26 U**	ug/L	0.50	0.26	1		08/04/22 12:07	108-90-7	
1,2-Dichlorobenzene	**0.26 U**	ug/L	0.50	0.26	1		08/04/22 12:07	95-50-1	
1,4-Dichlorobenzene	**0.30 U**	ug/L	0.50	0.30	1		08/04/22 12:07	106-46-7	
1,2-Dichloroethane	**0.30 U**	ug/L	0.50	0.30	1		08/04/22 12:07	107-06-2	1p
1,1-Dichloroethene	**0.29 U**	ug/L	0.50	0.29	1		08/04/22 12:07	75-35-4	1p
cis-1,2-Dichloroethene	**0.33 U**	ug/L	0.50	0.33	1		08/04/22 12:07	156-59-2	
trans-1,2-Dichloroethene	**0.27 U**	ug/L	0.50	0.27	1		08/04/22 12:07	156-60-5	1p
1,2-Dichloropropane	**0.44 U**	ug/L	0.50	0.44	1		08/04/22 12:07	78-87-5	
Ethylbenzene	**0.23 U**	ug/L	0.50	0.23	1		08/04/22 12:07	100-41-4	
Methylene Chloride	**0.44 U**	ug/L	1.0	0.44	1		08/04/22 12:07	75-09-2	
Styrene	**0.20 U**	ug/L	0.50	0.20	1		08/04/22 12:07	100-42-5	1p
Tetrachloroethene	**0.26 U**	ug/L	0.50	0.26	1		08/04/22 12:07	127-18-4	
Toluene	**0.28 U**	ug/L	0.50	0.28	1		08/04/22 12:07	108-88-3	
1,2,4-Trichlorobenzene	**0.35 U**	ug/L	0.50	0.35	1		08/04/22 12:07	120-82-1	1p
1,1,1-Trichloroethane	**0.27 U**	ug/L	0.50	0.27	1		08/04/22 12:07	71-55-6	
1,1,2-Trichloroethane	**0.28 U**	ug/L	0.50	0.28	1		08/04/22 12:07	79-00-5	
Trichloroethene	**0.26 U**	ug/L	0.50	0.26	1		08/04/22 12:07	79-01-6	
Vinyl chloride	**0.12 U**	ug/L	0.50	0.12	1		08/04/22 12:07	75-01-4	
Xylene (Total)	**0.11 U**	ug/L	1.0	0.11	1		08/04/22 12:07	1330-20-7	LS
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		08/04/22 12:07	460-00-4	
Toluene-d8 (S)	106	%	70-130		1		08/04/22 12:07	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		08/04/22 12:07	2199-69-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: DIL 4000WM
Pace Project No.: 35735198

Sample: DW1 (WT samples) **Lab ID: 35735198002** Collected: 07/28/22 12:42 Received: 07/29/22 13:16 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0065 U**	ug/L	0.020	0.0065	1	08/08/22 13:48	08/09/22 21:09	96-12-8	
1,2-Dibromoethane (EDB)	**0.0076 U**	ug/L	0.010	0.0076	1	08/08/22 13:48	08/09/22 21:09	106-93-4	
FL-PRO Water, Low Volume	Analytical Method: FL-PRO Preparation Method: EPA 3510 Pace Analytical Services - Ormond Beach								
Petroleum Range Organics	**0.72 U**	mg/L	0.90	0.72	1	08/02/22 13:16	08/03/22 12:59		
Surrogates									
o-Terphenyl (S)	85	%	66-139		1	08/02/22 13:16	08/03/22 12:59	84-15-1	
N-Pentatriacontane (S)	79	%	42-159		1	08/02/22 13:16	08/03/22 12:59	630-07-09	
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510 Pace Analytical Services - Ormond Beach								
Acenaphthene	**0.017 U**	ug/L	0.46	0.017	1	08/02/22 08:30	08/02/22 21:53	83-32-9	
Acenaphthylene	**0.028 U**	ug/L	0.46	0.028	1	08/02/22 08:30	08/02/22 21:53	208-96-8	
Anthracene	**0.018 U**	ug/L	0.46	0.018	1	08/02/22 08:30	08/02/22 21:53	120-12-7	
Benzo(a)anthracene	**0.018 U**	ug/L	0.092	0.018	1	08/02/22 08:30	08/02/22 21:53	56-55-3	
Benzo(a)pyrene	**0.019 U**	ug/L	0.18	0.019	1	08/02/22 08:30	08/02/22 21:53	50-32-8	
Benzo(b)fluoranthene	**0.025 U**	ug/L	0.092	0.025	1	08/02/22 08:30	08/02/22 21:53	205-99-2	
Benzo(g,h,i)perylene	**0.021 U**	ug/L	0.46	0.021	1	08/02/22 08:30	08/02/22 21:53	191-24-2	
Benzo(k)fluoranthene	**0.022 U**	ug/L	0.46	0.022	1	08/02/22 08:30	08/02/22 21:53	207-08-9	
Chrysene	**0.024 U**	ug/L	0.46	0.024	1	08/02/22 08:30	08/02/22 21:53	218-01-9	
Dibenz(a,h)anthracene	**0.023 U**	ug/L	0.14	0.023	1	08/02/22 08:30	08/02/22 21:53	53-70-3	
Fluoranthene	**0.017 U**	ug/L	0.46	0.017	1	08/02/22 08:30	08/02/22 21:53	206-44-0	
Fluorene	**0.016 U**	ug/L	0.46	0.016	1	08/02/22 08:30	08/02/22 21:53	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.022 U**	ug/L	0.14	0.022	1	08/02/22 08:30	08/02/22 21:53	193-39-5	
1-Methylnaphthalene	**0.035 U**	ug/L	1.8	0.035	1	08/02/22 08:30	08/02/22 21:53	90-12-0	
2-Methylnaphthalene	**0.063 U**	ug/L	1.8	0.063	1	08/02/22 08:30	08/02/22 21:53	91-57-6	
Naphthalene	**0.27 U**	ug/L	1.8	0.27	1	08/02/22 08:30	08/02/22 21:53	91-20-3	
Phenanthrene	**0.017 U**	ug/L	0.46	0.017	1	08/02/22 08:30	08/02/22 21:53	85-01-8	
Pyrene	**0.029 U**	ug/L	0.46	0.029	1	08/02/22 08:30	08/02/22 21:53	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	63	%	32-100		1	08/02/22 08:30	08/02/22 21:53	321-60-8	
p-Terphenyl-d14 (S)	71	%	48-112		1	08/02/22 08:30	08/02/22 21:53	1718-51-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: DIL 4000WM
Pace Project No.: 35735198

Sample: MW3 **Lab ID: 35735198003** Collected: 07/28/22 14:24 Received: 07/29/22 13:16 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0065 U**	ug/L	0.020	0.0065	1	08/08/22 13:48	08/09/22 21:24	96-12-8	
1,2-Dibromoethane (EDB)	**0.0076 U**	ug/L	0.010	0.0076	1	08/08/22 13:48	08/09/22 21:24	106-93-4	
FL-PRO Water, Low Volume	Analytical Method: FL-PRO Preparation Method: EPA 3510 Pace Analytical Services - Ormond Beach								
Petroleum Range Organics	**11.9**	mg/L	0.93	0.75	1	08/02/22 13:16	08/03/22 14:28		
Surrogates									
o-Terphenyl (S)	87	%	66-139		1	08/02/22 13:16	08/03/22 14:28	84-15-1	
N-Pentatriacontane (S)	72	%	42-159		1	08/02/22 13:16	08/03/22 14:28	630-07-09	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Lead	**1.3**	ug/L	1.0	0.22	1	08/01/22 09:08	08/05/22 12:11	7439-92-1	
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510 Pace Analytical Services - Ormond Beach								
Acenaphthene	**0.042 I**	ug/L	0.45	0.017	1	08/02/22 08:30	08/02/22 22:16	83-32-9	
Acenaphthylene	**0.028 U**	ug/L	0.45	0.028	1	08/02/22 08:30	08/02/22 22:16	208-96-8	
Anthracene	**0.018 U**	ug/L	0.45	0.018	1	08/02/22 08:30	08/02/22 22:16	120-12-7	
Benzo(a)anthracene	**0.018 U**	ug/L	0.090	0.018	1	08/02/22 08:30	08/02/22 22:16	56-55-3	
Benzo(a)pyrene	**0.019 U**	ug/L	0.18	0.019	1	08/02/22 08:30	08/02/22 22:16	50-32-8	
Benzo(b)fluoranthene	**0.024 U**	ug/L	0.090	0.024	1	08/02/22 08:30	08/02/22 22:16	205-99-2	
Benzo(g,h,i)perylene	**0.021 U**	ug/L	0.45	0.021	1	08/02/22 08:30	08/02/22 22:16	191-24-2	
Benzo(k)fluoranthene	**0.022 U**	ug/L	0.45	0.022	1	08/02/22 08:30	08/02/22 22:16	207-08-9	
Chrysene	**0.023 U**	ug/L	0.45	0.023	1	08/02/22 08:30	08/02/22 22:16	218-01-9	
Dibenz(a,h)anthracene	**0.023 U**	ug/L	0.14	0.023	1	08/02/22 08:30	08/02/22 22:16	53-70-3	
Fluoranthene	**0.016 U**	ug/L	0.45	0.016	1	08/02/22 08:30	08/02/22 22:16	206-44-0	
Fluorene	**0.24 I**	ug/L	0.45	0.015	1	08/02/22 08:30	08/02/22 22:16	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.022 U**	ug/L	0.14	0.022	1	08/02/22 08:30	08/02/22 22:16	193-39-5	
1-Methylnaphthalene	**25.8**	ug/L	1.8	0.035	1	08/02/22 08:30	08/02/22 22:16	90-12-0	
2-Methylnaphthalene	**42.0**	ug/L	1.8	0.062	1	08/02/22 08:30	08/02/22 22:16	91-57-6	
Naphthalene	**244**	ug/L	9.0	1.3	5	08/02/22 08:30	08/03/22 12:31	91-20-3	
Phenanthrene	**0.017 U**	ug/L	0.45	0.017	1	08/02/22 08:30	08/02/22 22:16	85-01-8	
Pyrene	**0.029 U**	ug/L	0.45	0.029	1	08/02/22 08:30	08/02/22 22:16	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	61	%	32-100		1	08/02/22 08:30	08/02/22 22:16	321-60-8	
p-Terphenyl-d14 (S)	64	%	48-112		1	08/02/22 08:30	08/02/22 22:16	1718-51-0	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**9.4 U**	ug/L	25.0	9.4	1		08/02/22 03:39	67-64-1	
Acetonitrile	**8.8 U**	ug/L	50.0	8.8	1		08/02/22 03:39	75-05-8	J(v2)
Benzene	**111**	ug/L	1.0	0.30	1		08/02/22 03:39	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		08/02/22 03:39	74-97-5	
Bromodichloromethane	**0.44 U**	ug/L	1.0	0.44	1		08/02/22 03:39	75-27-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 South Bayview Blvd.
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ANALYTICAL RESULTS

Project: DIL 4000WM
Pace Project No.: 35735198

Sample: MW3 **Lab ID: 35735198003** Collected: 07/28/22 14:24 Received: 07/29/22 13:16 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Bromoform	**2.8 U**	ug/L	3.0	2.8	1		08/02/22 03:39	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		08/02/22 03:39	74-83-9	
2-Butanone (MEK)	**6.0 U**	ug/L	50.0	6.0	1		08/02/22 03:39	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		08/02/22 03:39	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		08/02/22 03:39	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		08/02/22 03:39	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		08/02/22 03:39	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		08/02/22 03:39	67-66-3	
Chloromethane	**0.92 U**	ug/L	1.0	0.92	1		08/02/22 03:39	74-87-3	
1,2-Dibromo-3-chloropropane	**4.4 U**	ug/L	5.0	4.4	1		08/02/22 03:39	96-12-8	
Dibromochloromethane	**0.97 U**	ug/L	2.0	0.97	1		08/02/22 03:39	124-48-1	
1,2-Dibromoethane (EDB)	**0.31 U**	ug/L	1.0	0.31	1		08/02/22 03:39	106-93-4	
Dibromomethane	**0.34 U**	ug/L	2.0	0.34	1		08/02/22 03:39	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		08/02/22 03:39	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		08/02/22 03:39	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		08/02/22 03:39	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		08/02/22 03:39	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		08/02/22 03:39	107-06-2	
1,2-Dichloroethene (Total)	**0.27 U**	ug/L	1.0	0.27	1		08/02/22 03:39	540-59-0	N2
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		08/02/22 03:39	75-35-4	
cis-1,2-Dichloroethene	**0.83 U**	ug/L	1.0	0.83	1		08/02/22 03:39	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		08/02/22 03:39	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		08/02/22 03:39	78-87-5	
cis-1,3-Dichloropropene	**0.51 U**	ug/L	1.0	0.51	1		08/02/22 03:39	10061-01-5	
trans-1,3-Dichloropropene	**0.89 U**	ug/L	1.0	0.89	1		08/02/22 03:39	10061-02-6	
Ethylbenzene	**73.2**	ug/L	1.0	0.30	1		08/02/22 03:39	100-41-4	
2-Hexanone	**10.0 U**	ug/L	25.0	10.0	1		08/02/22 03:39	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		08/02/22 03:39	74-88-4	
Isopropylbenzene (Cumene)	**40.8**	ug/L	1.0	0.30	1		08/02/22 03:39	98-82-8	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		08/02/22 03:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		08/02/22 03:39	108-10-1	
Methyl-tert-butyl ether	**20.6**	ug/L	5.0	1.6	1		08/02/22 03:39	1634-04-4	
Styrene	**0.65 U**	ug/L	1.0	0.65	1		08/02/22 03:39	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		08/02/22 03:39	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		08/02/22 03:39	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		08/02/22 03:39	127-18-4	
Toluene	**2.1**	ug/L	1.0	0.71	1		08/02/22 03:39	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		08/02/22 03:39	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		08/02/22 03:39	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		08/02/22 03:39	79-01-6	
Trichlorofluoromethane	**0.82 U**	ug/L	1.0	0.82	1		08/02/22 03:39	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		08/02/22 03:39	96-18-4	
1,2,4-Trimethylbenzene	**0.58 U**	ug/L	1.0	0.58	1		08/02/22 03:39	95-63-6	
1,3,5-Trimethylbenzene	**0.64 U**	ug/L	1.0	0.64	1		08/02/22 03:39	108-67-8	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		08/02/22 03:39	108-05-4	J(v1)

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 South Bayview Blvd.
Oldsmar , FL 34677
(813)881-9401

ANALYTICAL RESULTS

Project: DIL 4000WM
Pace Project No.: 35735198

Sample: MW3 **Lab ID: 35735198003** Collected: 07/28/22 14:24 Received: 07/29/22 13:16 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Vinyl chloride	**0.88 U**	ug/L	1.0	0.88	1		08/02/22 03:39	75-01-4	
Xylene (Total)	**33.8**	ug/L	5.0	2.1	1		08/02/22 03:39	1330-20-7	
m&p-Xylene	**32.0**	ug/L	4.0	2.1	1		08/02/22 03:39	179601-23-1	
o-Xylene	**1.9**	ug/L	1.0	0.57	1		08/02/22 03:39	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		08/02/22 03:39	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		08/02/22 03:39	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		08/02/22 03:39	2199-69-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 South Bayview Blvd.
Oldsmar , FL 34677
(813)881-9401

ANALYTICAL RESULTS

Project: DIL 4000WM
Pace Project No.: 35735198

Sample: Dup-1 **Lab ID: 35735198004** Collected: 07/28/22 14:40 Received: 07/29/22 13:16 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0065 U**	ug/L	0.020	0.0065	1	08/08/22 13:48	08/09/22 21:39	96-12-8	
1,2-Dibromoethane (EDB)	**0.0076 U**	ug/L	0.010	0.0076	1	08/08/22 13:48	08/09/22 21:39	106-93-4	
FL-PRO Water, Low Volume	Analytical Method: FL-PRO Preparation Method: EPA 3510 Pace Analytical Services - Ormond Beach								
Petroleum Range Organics	**11.1**	mg/L	0.98	0.78	1	08/02/22 13:16	08/03/22 14:41		
Surrogates									
o-Terphenyl (S)	86	%	66-139		1	08/02/22 13:16	08/03/22 14:41	84-15-1	
N-Pentatriacontane (S)	70	%	42-159		1	08/02/22 13:16	08/03/22 14:41	630-07-09	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Lead	**0.92 I**	ug/L	1.0	0.22	1	08/01/22 09:08	08/05/22 12:16	7439-92-1	
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510 Pace Analytical Services - Ormond Beach								
Acenaphthene	**0.041 I**	ug/L	0.52	0.020	1	08/02/22 08:30	08/02/22 22:38	83-32-9	
Acenaphthylene	**0.032 U**	ug/L	0.52	0.032	1	08/02/22 08:30	08/02/22 22:38	208-96-8	
Anthracene	**0.021 U**	ug/L	0.52	0.021	1	08/02/22 08:30	08/02/22 22:38	120-12-7	
Benzo(a)anthracene	**0.021 U**	ug/L	0.10	0.021	1	08/02/22 08:30	08/02/22 22:38	56-55-3	
Benzo(a)pyrene	**0.022 U**	ug/L	0.21	0.022	1	08/02/22 08:30	08/02/22 22:38	50-32-8	
Benzo(b)fluoranthene	**0.028 U**	ug/L	0.10	0.028	1	08/02/22 08:30	08/02/22 22:38	205-99-2	
Benzo(g,h,i)perylene	**0.024 U**	ug/L	0.52	0.024	1	08/02/22 08:30	08/02/22 22:38	191-24-2	
Benzo(k)fluoranthene	**0.025 U**	ug/L	0.52	0.025	1	08/02/22 08:30	08/02/22 22:38	207-08-9	
Chrysene	**0.027 U**	ug/L	0.52	0.027	1	08/02/22 08:30	08/02/22 22:38	218-01-9	
Dibenz(a,h)anthracene	**0.026 U**	ug/L	0.16	0.026	1	08/02/22 08:30	08/02/22 22:38	53-70-3	
Fluoranthene	**0.019 U**	ug/L	0.52	0.019	1	08/02/22 08:30	08/02/22 22:38	206-44-0	
Fluorene	**0.23 I**	ug/L	0.52	0.018	1	08/02/22 08:30	08/02/22 22:38	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.025 U**	ug/L	0.16	0.025	1	08/02/22 08:30	08/02/22 22:38	193-39-5	
1-Methylnaphthalene	**21.8**	ug/L	2.1	0.040	1	08/02/22 08:30	08/02/22 22:38	90-12-0	
2-Methylnaphthalene	**35.3**	ug/L	2.1	0.071	1	08/02/22 08:30	08/02/22 22:38	91-57-6	
Naphthalene	**164**	ug/L	2.1	0.30	1	08/02/22 08:30	08/02/22 22:38	91-20-3	
Phenanthrene	**0.020 U**	ug/L	0.52	0.020	1	08/02/22 08:30	08/02/22 22:38	85-01-8	
Pyrene	**0.033 U**	ug/L	0.52	0.033	1	08/02/22 08:30	08/02/22 22:38	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	61	%	32-100		1	08/02/22 08:30	08/02/22 22:38	321-60-8	
p-Terphenyl-d14 (S)	65	%	48-112		1	08/02/22 08:30	08/02/22 22:38	1718-51-0	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**9.4 U**	ug/L	25.0	9.4	1		08/02/22 04:02	67-64-1	
Acetonitrile	**8.8 U**	ug/L	50.0	8.8	1		08/02/22 04:02	75-05-8	J(v2)
Benzene	**79.6**	ug/L	1.0	0.30	1		08/02/22 04:02	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		08/02/22 04:02	74-97-5	
Bromodichloromethane	**0.44 U**	ug/L	1.0	0.44	1		08/02/22 04:02	75-27-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 South Bayview Blvd.
Oldsmar , FL 34677
(813)881-9401

ANALYTICAL RESULTS

Project: DIL 4000WM
Pace Project No.: 35735198

Sample: Dup-1 **Lab ID: 35735198004** Collected: 07/28/22 14:40 Received: 07/29/22 13:16 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Bromoform	**2.8 U**	ug/L	3.0	2.8	1		08/02/22 04:02	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		08/02/22 04:02	74-83-9	
2-Butanone (MEK)	**6.0 U**	ug/L	50.0	6.0	1		08/02/22 04:02	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		08/02/22 04:02	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		08/02/22 04:02	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		08/02/22 04:02	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		08/02/22 04:02	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		08/02/22 04:02	67-66-3	
Chloromethane	**0.92 U**	ug/L	1.0	0.92	1		08/02/22 04:02	74-87-3	
1,2-Dibromo-3-chloropropane	**4.4 U**	ug/L	5.0	4.4	1		08/02/22 04:02	96-12-8	
Dibromochloromethane	**0.97 U**	ug/L	2.0	0.97	1		08/02/22 04:02	124-48-1	
1,2-Dibromoethane (EDB)	**0.31 U**	ug/L	1.0	0.31	1		08/02/22 04:02	106-93-4	
Dibromomethane	**0.34 U**	ug/L	2.0	0.34	1		08/02/22 04:02	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		08/02/22 04:02	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		08/02/22 04:02	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		08/02/22 04:02	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		08/02/22 04:02	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		08/02/22 04:02	107-06-2	
1,2-Dichloroethene (Total)	**0.27 U**	ug/L	1.0	0.27	1		08/02/22 04:02	540-59-0	N2
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		08/02/22 04:02	75-35-4	
cis-1,2-Dichloroethene	**0.83 U**	ug/L	1.0	0.83	1		08/02/22 04:02	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		08/02/22 04:02	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		08/02/22 04:02	78-87-5	
cis-1,3-Dichloropropene	**0.51 U**	ug/L	1.0	0.51	1		08/02/22 04:02	10061-01-5	
trans-1,3-Dichloropropene	**0.89 U**	ug/L	1.0	0.89	1		08/02/22 04:02	10061-02-6	
Ethylbenzene	**63.4**	ug/L	1.0	0.30	1		08/02/22 04:02	100-41-4	
2-Hexanone	**10.0 U**	ug/L	25.0	10.0	1		08/02/22 04:02	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		08/02/22 04:02	74-88-4	
Isopropylbenzene (Cumene)	**34.5**	ug/L	1.0	0.30	1		08/02/22 04:02	98-82-8	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		08/02/22 04:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		08/02/22 04:02	108-10-1	
Methyl-tert-butyl ether	**16.3**	ug/L	5.0	1.6	1		08/02/22 04:02	1634-04-4	
Styrene	**0.65 U**	ug/L	1.0	0.65	1		08/02/22 04:02	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		08/02/22 04:02	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		08/02/22 04:02	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		08/02/22 04:02	127-18-4	
Toluene	**1.8**	ug/L	1.0	0.71	1		08/02/22 04:02	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		08/02/22 04:02	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		08/02/22 04:02	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		08/02/22 04:02	79-01-6	
Trichlorofluoromethane	**0.82 U**	ug/L	1.0	0.82	1		08/02/22 04:02	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		08/02/22 04:02	96-18-4	
1,2,4-Trimethylbenzene	**0.58 U**	ug/L	1.0	0.58	1		08/02/22 04:02	95-63-6	
1,3,5-Trimethylbenzene	**0.64 U**	ug/L	1.0	0.64	1		08/02/22 04:02	108-67-8	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		08/02/22 04:02	108-05-4	J(v1)

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 South Bayview Blvd.
Oldsmar , FL 34677
(813)881-9401

ANALYTICAL RESULTS

Project: DIL 4000WM
Pace Project No.: 35735198

Sample: Dup-1 **Lab ID: 35735198004** Collected: 07/28/22 14:40 Received: 07/29/22 13:16 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Vinyl chloride	**0.88 U**	ug/L	1.0	0.88	1		08/02/22 04:02	75-01-4	
Xylene (Total)	**29.8**	ug/L	5.0	2.1	1		08/02/22 04:02	1330-20-7	
m&p-Xylene	**28.1**	ug/L	4.0	2.1	1		08/02/22 04:02	179601-23-1	
o-Xylene	**1.8**	ug/L	1.0	0.57	1		08/02/22 04:02	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		08/02/22 04:02	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		08/02/22 04:02	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		08/02/22 04:02	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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110 South Bayview Blvd.
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ANALYTICAL RESULTS

Project: DIL 4000WM
Pace Project No.: 35735198

Sample: Field Blank **Lab ID: 35735198005** Collected: 07/28/22 14:58 Received: 07/29/22 13:16 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Acetone	**9.4 U**	ug/L	25.0	9.4	1		08/01/22 22:43	67-64-1	
Acetonitrile	**8.8 U**	ug/L	50.0	8.8	1		08/01/22 22:43	75-05-8	J(v2)
Benzene	**0.30 U**	ug/L	1.0	0.30	1		08/01/22 22:43	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		08/01/22 22:43	74-97-5	
Bromodichloromethane	**0.44 U**	ug/L	1.0	0.44	1		08/01/22 22:43	75-27-4	
Bromoform	**2.8 U**	ug/L	3.0	2.8	1		08/01/22 22:43	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		08/01/22 22:43	74-83-9	
2-Butanone (MEK)	**6.0 U**	ug/L	50.0	6.0	1		08/01/22 22:43	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		08/01/22 22:43	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		08/01/22 22:43	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		08/01/22 22:43	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		08/01/22 22:43	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		08/01/22 22:43	67-66-3	
Chloromethane	**0.92 U**	ug/L	1.0	0.92	1		08/01/22 22:43	74-87-3	
1,2-Dibromo-3-chloropropane	**4.4 U**	ug/L	5.0	4.4	1		08/01/22 22:43	96-12-8	
Dibromochloromethane	**0.97 U**	ug/L	2.0	0.97	1		08/01/22 22:43	124-48-1	
1,2-Dibromoethane (EDB)	**0.31 U**	ug/L	1.0	0.31	1		08/01/22 22:43	106-93-4	
Dibromomethane	**0.34 U**	ug/L	2.0	0.34	1		08/01/22 22:43	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		08/01/22 22:43	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		08/01/22 22:43	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		08/01/22 22:43	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		08/01/22 22:43	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		08/01/22 22:43	107-06-2	
1,2-Dichloroethene (Total)	**0.27 U**	ug/L	1.0	0.27	1		08/01/22 22:43	540-59-0	N2
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		08/01/22 22:43	75-35-4	
cis-1,2-Dichloroethene	**0.83 U**	ug/L	1.0	0.83	1		08/01/22 22:43	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		08/01/22 22:43	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		08/01/22 22:43	78-87-5	
cis-1,3-Dichloropropene	**0.51 U**	ug/L	1.0	0.51	1		08/01/22 22:43	10061-01-5	
trans-1,3-Dichloropropene	**0.89 U**	ug/L	1.0	0.89	1		08/01/22 22:43	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		08/01/22 22:43	100-41-4	
2-Hexanone	**10.0 U**	ug/L	25.0	10.0	1		08/01/22 22:43	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		08/01/22 22:43	74-88-4	
Isopropylbenzene (Cumene)	**0.30 U**	ug/L	1.0	0.30	1		08/01/22 22:43	98-82-8	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		08/01/22 22:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		08/01/22 22:43	108-10-1	
Methyl-tert-butyl ether	**1.6 U**	ug/L	5.0	1.6	1		08/01/22 22:43	1634-04-4	
Styrene	**0.65 U**	ug/L	1.0	0.65	1		08/01/22 22:43	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		08/01/22 22:43	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		08/01/22 22:43	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		08/01/22 22:43	127-18-4	
Toluene	**0.71 U**	ug/L	1.0	0.71	1		08/01/22 22:43	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		08/01/22 22:43	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		08/01/22 22:43	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		08/01/22 22:43	79-01-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 South Bayview Blvd.
Oldsmar , FL 34677
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ANALYTICAL RESULTS

Project: DIL 4000WM
Pace Project No.: 35735198

Sample: Field Blank **Lab ID: 35735198005** Collected: 07/28/22 14:58 Received: 07/29/22 13:16 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Trichlorofluoromethane	**0.82 U**	ug/L	1.0	0.82	1		08/01/22 22:43	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		08/01/22 22:43	96-18-4	
1,2,4-Trimethylbenzene	**0.58 U**	ug/L	1.0	0.58	1		08/01/22 22:43	95-63-6	
1,3,5-Trimethylbenzene	**0.64 U**	ug/L	1.0	0.64	1		08/01/22 22:43	108-67-8	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		08/01/22 22:43	108-05-4	J(v1)
Vinyl chloride	**0.88 U**	ug/L	1.0	0.88	1		08/01/22 22:43	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		08/01/22 22:43	1330-20-7	
m&p-Xylene	**2.1 U**	ug/L	4.0	2.1	1		08/01/22 22:43	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		08/01/22 22:43	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		08/01/22 22:43	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		08/01/22 22:43	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		08/01/22 22:43	2199-69-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 South Bayview Blvd.
Oldsmar , FL 34677
(813)881-9401

QUALITY CONTROL DATA

Project: DIL 4000WM
Pace Project No.: 35735198

QC Batch: 846381
QC Batch Method: EPA 200.8
Analysis Method: EPA 200.8
Analysis Description: 200.8 MET No Prep Drinking Water
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35735198001

METHOD BLANK: 4655354 Matrix: Water
Associated Lab Samples: 35735198001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	ug/L	0.22 U	1.0	0.22	08/09/22 10:02	

LABORATORY CONTROL SAMPLE: 4655355

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	46.8	94	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4655350 4655351

Parameter	Units	20250413001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	50	50	50.6	51.2	101	102	70-130	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4655352 4655353

Parameter	Units	35736918003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	50	50	49.4	49.5	99	99	70-130	0	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: DIL 4000WM
Pace Project No.: 35735198

QC Batch: 844268
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35735198003, 35735198004

METHOD BLANK: 4642107 Matrix: Water
Associated Lab Samples: 35735198003, 35735198004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	ug/L	0.22 U	1.0	0.22	08/04/22 14:15	

LABORATORY CONTROL SAMPLE: 4642108

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	48.3	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4642109 4642110

Parameter	Units	35734767001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	0.22 U	50	50	50.8	51.3	101	103	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: DIL 4000WM
Pace Project No.: 35735198

QC Batch: 845122
QC Batch Method: EPA 524.2
Analysis Method: EPA 524.2
Analysis Description: 524.2 MSV
Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35735198001

METHOD BLANK: 4647538 Matrix: Water
Associated Lab Samples: 35735198001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	0.27 U	0.50	0.27	08/04/22 04:04	
1,1,2-Trichloroethane	ug/L	0.28 U	0.50	0.28	08/04/22 04:04	
1,1-Dichloroethene	ug/L	0.29 U	0.50	0.29	08/04/22 04:04	
1,2,4-Trichlorobenzene	ug/L	0.35 U	0.50	0.35	08/04/22 04:04	
1,2-Dichlorobenzene	ug/L	0.26 U	0.50	0.26	08/04/22 04:04	
1,2-Dichloroethane	ug/L	0.30 U	0.50	0.30	08/04/22 04:04	
1,2-Dichloropropane	ug/L	0.44 U	0.50	0.44	08/04/22 04:04	
1,4-Dichlorobenzene	ug/L	0.30 U	0.50	0.30	08/04/22 04:04	
Benzene	ug/L	0.40 U	0.50	0.40	08/04/22 04:04	
Carbon tetrachloride	ug/L	0.28 U	0.50	0.28	08/04/22 04:04	
Chlorobenzene	ug/L	0.26 U	0.50	0.26	08/04/22 04:04	
cis-1,2-Dichloroethene	ug/L	0.33 U	0.50	0.33	08/04/22 04:04	
Ethylbenzene	ug/L	0.23 U	0.50	0.23	08/04/22 04:04	
Methylene Chloride	ug/L	0.44 U	1.0	0.44	08/04/22 04:04	
Styrene	ug/L	0.20 U	0.50	0.20	08/04/22 04:04	
Tetrachloroethene	ug/L	0.26 U	0.50	0.26	08/04/22 04:04	
Toluene	ug/L	0.28 U	0.50	0.28	08/04/22 04:04	
trans-1,2-Dichloroethene	ug/L	0.27 U	0.50	0.27	08/04/22 04:04	
Trichloroethene	ug/L	0.26 U	0.50	0.26	08/04/22 04:04	
Vinyl chloride	ug/L	0.12 U	0.50	0.12	08/04/22 04:04	
Xylene (Total)	ug/L	0.11 U	1.0	0.11	08/04/22 04:04	
1,2-Dichlorobenzene-d4 (S)	%	105	70-130		08/04/22 04:04	
4-Bromofluorobenzene (S)	%	98	70-130		08/04/22 04:04	
Toluene-d8 (S)	%	104	70-130		08/04/22 04:04	

LABORATORY CONTROL SAMPLE & LCSD: 4647539 4647540

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	40	46.3	44.5	116	111	70-130	4	20	
1,1,2-Trichloroethane	ug/L	40	36.7	36.0	92	90	70-130	2	20	
1,1-Dichloroethene	ug/L	40	45.1	47.4	113	119	70-130	5	20	
1,2,4-Trichlorobenzene	ug/L	40	38.6	39.4	97	99	70-130	2	20	
1,2-Dichlorobenzene	ug/L	40	37.7	36.8	94	92	70-130	2	20	
1,2-Dichloroethane	ug/L	40	47.7	45.9	119	115	70-130	4	20	
1,2-Dichloropropane	ug/L	40	40.3	40.2	101	101	70-130	0	20	
1,4-Dichlorobenzene	ug/L	40	36.1	35.7	90	89	70-130	1	20	
Benzene	ug/L	40	41.7	40.5	104	101	70-130	3	20	
Carbon tetrachloride	ug/L	40	46.7	45.3	117	113	70-130	3	20	
Chlorobenzene	ug/L	40	38.0	37.4	95	94	70-130	2	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: DIL 4000WM
Pace Project No.: 35735198

LABORATORY CONTROL SAMPLE & LCSD: 4647539 4647540

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
cis-1,2-Dichloroethene	ug/L	40	43.0	44.4	108	111	70-130	3	20	
Ethylbenzene	ug/L	40	43.0	42.4	108	106	70-130	1	20	
Methylene Chloride	ug/L	40	42.2	43.1	106	108	70-130	2	20	
Styrene	ug/L	40	34.1	33.7	85	84	70-130	1	20	
Tetrachloroethene	ug/L	40	40.1	39.0	100	98	70-130	3	20	
Toluene	ug/L	40	38.3	37.8	96	94	70-130	1	20	
trans-1,2-Dichloroethene	ug/L	40	42.6	43.9	106	110	70-130	3	20	
Trichloroethene	ug/L	40	41.9	41.5	105	104	70-130	1	20	
Vinyl chloride	ug/L	40	39.8	42.1	100	105	70-130	6	20	
Xylene (Total)	ug/L	120	148	144	123	120	70-130	2	20	LS
1,2-Dichlorobenzene-d4 (S)	%				101	99	70-130			
4-Bromofluorobenzene (S)	%				111	110	70-130			
Toluene-d8 (S)	%				101	103	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: DIL 4000WM
Pace Project No.: 35735198

QC Batch: 844440
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35735198003, 35735198004, 35735198005

METHOD BLANK: 4643218
Matrix: Water
Associated Lab Samples: 35735198003, 35735198004, 35735198005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	08/01/22 21:35	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	08/01/22 21:35	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	08/01/22 21:35	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	08/01/22 21:35	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	08/01/22 21:35	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	08/01/22 21:35	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	08/01/22 21:35	
1,2,4-Trimethylbenzene	ug/L	0.58 U	1.0	0.58	08/01/22 21:35	
1,2-Dibromo-3-chloropropane	ug/L	4.4 U	5.0	4.4	08/01/22 21:35	
1,2-Dibromoethane (EDB)	ug/L	0.31 U	1.0	0.31	08/01/22 21:35	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	08/01/22 21:35	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	08/01/22 21:35	
1,2-Dichloroethene (Total)	ug/L	0.27 U	1.0	0.27	08/01/22 21:35	N2
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	08/01/22 21:35	
1,3,5-Trimethylbenzene	ug/L	0.64 U	1.0	0.64	08/01/22 21:35	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	08/01/22 21:35	
2-Butanone (MEK)	ug/L	6.0 U	50.0	6.0	08/01/22 21:35	
2-Hexanone	ug/L	10.0 U	25.0	10.0	08/01/22 21:35	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	08/01/22 21:35	
Acetone	ug/L	9.4 U	25.0	9.4	08/01/22 21:35	
Acetonitrile	ug/L	8.8 U	50.0	8.8	08/01/22 21:35	J(v2)
Benzene	ug/L	0.30 U	1.0	0.30	08/01/22 21:35	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	08/01/22 21:35	
Bromodichloromethane	ug/L	0.44 U	1.0	0.44	08/01/22 21:35	
Bromoform	ug/L	2.8 U	3.0	2.8	08/01/22 21:35	
Bromomethane	ug/L	3.9 U	10.0	3.9	08/01/22 21:35	
Carbon disulfide	ug/L	1.8 U	10.0	1.8	08/01/22 21:35	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	08/01/22 21:35	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	08/01/22 21:35	
Chloroethane	ug/L	3.7 U	10.0	3.7	08/01/22 21:35	
Chloroform	ug/L	0.56 U	1.0	0.56	08/01/22 21:35	
Chloromethane	ug/L	0.92 U	1.0	0.92	08/01/22 21:35	
cis-1,2-Dichloroethene	ug/L	0.83 U	1.0	0.83	08/01/22 21:35	
cis-1,3-Dichloropropene	ug/L	0.51 U	1.0	0.51	08/01/22 21:35	
Dibromochloromethane	ug/L	0.97 U	2.0	0.97	08/01/22 21:35	
Dibromomethane	ug/L	0.34 U	2.0	0.34	08/01/22 21:35	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	08/01/22 21:35	
Iodomethane	ug/L	9.3 U	10.0	9.3	08/01/22 21:35	
Isopropylbenzene (Cumene)	ug/L	0.30 U	1.0	0.30	08/01/22 21:35	
m&p-Xylene	ug/L	2.1 U	4.0	2.1	08/01/22 21:35	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: DIL 4000WM
Pace Project No.: 35735198

METHOD BLANK: 4643218 Matrix: Water
Associated Lab Samples: 35735198003, 35735198004, 35735198005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Methyl-tert-butyl ether	ug/L	1.6 U	5.0	1.6	08/01/22 21:35	
Methylene Chloride	ug/L	4.4 U	5.0	4.4	08/01/22 21:35	
o-Xylene	ug/L	0.57 U	1.0	0.57	08/01/22 21:35	
Styrene	ug/L	0.65 U	1.0	0.65	08/01/22 21:35	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	08/01/22 21:35	
Toluene	ug/L	0.71 U	1.0	0.71	08/01/22 21:35	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	08/01/22 21:35	
trans-1,3-Dichloropropene	ug/L	0.89 U	1.0	0.89	08/01/22 21:35	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	08/01/22 21:35	
Trichloroethene	ug/L	0.36 U	1.0	0.36	08/01/22 21:35	
Trichlorofluoromethane	ug/L	0.82 U	1.0	0.82	08/01/22 21:35	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	08/01/22 21:35	J(v1)
Vinyl chloride	ug/L	0.88 U	1.0	0.88	08/01/22 21:35	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	08/01/22 21:35	
1,2-Dichlorobenzene-d4 (S)	%	105	70-130		08/01/22 21:35	
4-Bromofluorobenzene (S)	%	100	70-130		08/01/22 21:35	
Toluene-d8 (S)	%	100	70-130		08/01/22 21:35	

LABORATORY CONTROL SAMPLE: 4643219

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	21.0	105	70-130	
1,1,1-Trichloroethane	ug/L	20	19.7	98	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	22.0	110	68-125	
1,1,2-Trichloroethane	ug/L	20	21.9	110	70-130	
1,1-Dichloroethane	ug/L	20	20.3	101	70-130	
1,1-Dichloroethene	ug/L	20	20.4	102	66-133	
1,2,3-Trichloropropane	ug/L	20	20.4	102	62-127	
1,2,4-Trimethylbenzene	ug/L	20	21.0	105	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	18.9	94	45-137	
1,2-Dibromoethane (EDB)	ug/L	20	21.7	108	70-130	
1,2-Dichlorobenzene	ug/L	20	21.4	107	70-130	
1,2-Dichloroethane	ug/L	20	20.2	101	70-130	
1,2-Dichloroethene (Total)	ug/L	40	39.9	100	70-130	N2
1,2-Dichloropropane	ug/L	20	20.8	104	70-130	
1,3,5-Trimethylbenzene	ug/L	20	21.2	106	70-130	
1,4-Dichlorobenzene	ug/L	20	21.9	109	70-130	
2-Butanone (MEK)	ug/L	100	91.1	91	47-143	
2-Hexanone	ug/L	100	97.2	97	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	102	102	57-132	
Acetone	ug/L	100	86.9	87	46-148	
Acetonitrile	ug/L	100	79.7	80	33-175	J(v3)
Benzene	ug/L	20	21.1	105	70-130	
Bromochloromethane	ug/L	20	20.9	105	70-130	

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110 South Bayview Blvd.
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(813)881-9401

QUALITY CONTROL DATA

Project: DIL 4000WM
Pace Project No.: 35735198

LABORATORY CONTROL SAMPLE: 4643219

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	20.5	103	70-130	
Bromoform	ug/L	20	19.4	97	49-126	
Bromomethane	ug/L	20	18.0	90	10-165	
Carbon disulfide	ug/L	20	19.5	98	60-141	
Carbon tetrachloride	ug/L	20	19.4	97	63-126	
Chlorobenzene	ug/L	20	21.9	110	70-130	
Chloroethane	ug/L	20	20.7	103	71-142	
Chloroform	ug/L	20	18.6	93	70-130	
Chloromethane	ug/L	20	22.1	111	40-140	
cis-1,2-Dichloroethene	ug/L	20	20.2	101	70-130	
cis-1,3-Dichloropropene	ug/L	20	20.6	103	70-130	
Dibromochloromethane	ug/L	20	21.2	106	62-118	
Dibromomethane	ug/L	20	20.7	104	70-130	
Ethylbenzene	ug/L	20	21.3	106	70-130	
Iodomethane	ug/L	20	18.1	90	10-164	
Isopropylbenzene (Cumene)	ug/L	20	22.0	110	70-130	
m&p-Xylene	ug/L	40	44.2	110	70-130	
Methyl-tert-butyl ether	ug/L	20	18.8	94	64-124	
Methylene Chloride	ug/L	20	19.1	95	65-136	
o-Xylene	ug/L	20	21.2	106	70-130	
Styrene	ug/L	20	19.0	95	70-130	
Tetrachloroethene	ug/L	20	21.7	109	64-134	
Toluene	ug/L	20	21.5	107	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.7	99	68-127	
trans-1,3-Dichloropropene	ug/L	20	20.5	103	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	17.3	86	42-129	
Trichloroethene	ug/L	20	22.1	111	70-130	
Trichlorofluoromethane	ug/L	20	22.0	110	65-135	
Vinyl acetate	ug/L	20	24.9	125	60-144	J(v1)
Vinyl chloride	ug/L	20	23.9	120	68-131	
Xylene (Total)	ug/L	60	65.4	109	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 4643221

Parameter	Units	35735241004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	21.4	107	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	21.5	108	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	21.6	108	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	21.5	108	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	21.4	107	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	21.4	107	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	20.7	104	62-127	

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REPORT OF LABORATORY ANALYSIS

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110 South Bayview Blvd.
Oldsmar , FL 34677
(813)881-9401

QUALITY CONTROL DATA

Project: DIL 4000WM
Pace Project No.: 35735198

MATRIX SPIKE SAMPLE: 4643221

Parameter	Units	35735241004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	0.58 U	20	21.2	106	70-130	
1,2-Dibromo-3-chloropropane	ug/L	4.4 U	20	19.2	96	45-137	
1,2-Dibromoethane (EDB)	ug/L	0.31 U	20	21.1	106	70-130	
1,2-Dichlorobenzene	ug/L	0.60 U	20	21.3	107	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	20.6	103	70-130	
1,2-Dichloroethene (Total)	ug/L	0.27 U	40	42.2	106	70-130	N2
1,2-Dichloropropane	ug/L	0.23 U	20	21.3	106	70-130	
1,3,5-Trimethylbenzene	ug/L	0.64 U	20	21.6	108	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	21.4	107	70-130	
2-Butanone (MEK)	ug/L	6.0 U	100	91.6	92	47-143	
2-Hexanone	ug/L	10.0 U	100	95.8	96	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	97.2	97	57-132	
Acetone	ug/L	9.4 U	100	84.7	85	46-148	
Acetonitrile	ug/L	8.8 U	100	75.8	76	33-175	J(v3)
Benzene	ug/L	0.30 U	20	22.2	111	70-130	
Bromochloromethane	ug/L	0.37 U	20	22.1	110	70-130	
Bromodichloromethane	ug/L	0.44 U	20	21.0	105	70-130	
Bromoform	ug/L	2.8 U	20	19.6	98	49-126	
Bromomethane	ug/L	3.9 U	20	5.7 I	28	10-165	
Carbon disulfide	ug/L	1.8 U	20	20.6	103	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	22.5	112	63-126	
Chlorobenzene	ug/L	0.35 U	20	22.3	112	70-130	
Chloroethane	ug/L	3.7 U	20	21.5	107	71-142	
Chloroform	ug/L	0.56 U	20	18.6	93	70-130	
Chloromethane	ug/L	0.92 U	20	24.7	124	40-140	
cis-1,2-Dichloroethene	ug/L	0.83 U	20	21.4	107	70-130	
cis-1,3-Dichloropropene	ug/L	0.51 U	20	19.3	97	70-130	
Dibromochloromethane	ug/L	0.97 U	20	20.4	102	62-118	
Dibromomethane	ug/L	0.34 U	20	21.2	106	70-130	
Ethylbenzene	ug/L	0.30 U	20	21.8	109	70-130	
Iodomethane	ug/L	9.3 U	20	9.3 U	23	10-164	
Isopropylbenzene (Cumene)	ug/L	0.30 U	20	22.5	112	70-130	
m&p-Xylene	ug/L	2.1 U	40	43.7	109	70-130	
Methyl-tert-butyl ether	ug/L	1.6 U	20	18.9	94	64-124	
Methylene Chloride	ug/L	4.4 U	20	18.6	93	65-136	
o-Xylene	ug/L	0.57 U	20	21.7	108	70-130	
Styrene	ug/L	0.65 U	20	19.0	95	70-130	
Tetrachloroethene	ug/L	0.38 U	20	21.6	108	64-134	
Toluene	ug/L	0.71 U	20	21.7	109	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	20.8	104	68-127	
trans-1,3-Dichloropropene	ug/L	0.89 U	20	19.5	97	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	15.0	75	42-129	
Trichloroethene	ug/L	0.36 U	20	22.3	111	70-130	
Trichlorofluoromethane	ug/L	0.82 U	20	26.9	134	65-135	
Vinyl acetate	ug/L	1.8 U	20	22.0	110	60-144	J(v1)
Vinyl chloride	ug/L	0.88 U	20	27.0	135	68-131	J(M1)
Xylene (Total)	ug/L	2.1 U	60	65.4	109	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 South Bayview Blvd.
Oldsmar , FL 34677
(813)881-9401

QUALITY CONTROL DATA

Project: DIL 4000WM
Pace Project No.: 35735198

MATRIX SPIKE SAMPLE: 4643221

Parameter	Units	35735241004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene-d4 (S)	%				101	70-130	
4-Bromofluorobenzene (S)	%				100	70-130	
Toluene-d8 (S)	%				102	70-130	

SAMPLE DUPLICATE: 4643220

Parameter	Units	35735380003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	0.32 U		40	
1,1,1-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	0.59 U		40	
1,1,2-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1-Dichloroethane	ug/L	0.34 U	0.34 U		40	
1,1-Dichloroethene	ug/L	0.59 U	0.59 U		40	
1,2,3-Trichloropropane	ug/L	0.53 U	0.53 U		40	
1,2,4-Trimethylbenzene	ug/L	0.58 U	0.58 U		40	
1,2-Dibromo-3-chloropropane	ug/L	4.4 U	4.4 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.31 U	0.31 U		40	
1,2-Dichlorobenzene	ug/L	0.60 U	0.60 U		40	
1,2-Dichloroethane	ug/L	0.27 U	0.27 U		40	
1,2-Dichloroethene (Total)	ug/L	0.27 U	0.27 U		40	N2
1,2-Dichloropropane	ug/L	0.23 U	0.23 U		40	
1,3,5-Trimethylbenzene	ug/L	0.64 U	0.64 U		40	
1,4-Dichlorobenzene	ug/L	0.35 I	0.30 I		40	
2-Butanone (MEK)	ug/L	6.0 U	6.0 U		40	
2-Hexanone	ug/L	10.0 U	10.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	9.4 U	9.4 U		40	
Acetonitrile	ug/L	8.8 U	8.8 U		40	J(v2)
Benzene	ug/L	0.30 U	0.30 U		40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	
Bromodichloromethane	ug/L	0.44 U	0.44 U		40	
Bromoform	ug/L	2.8 U	2.8 U		40	
Bromomethane	ug/L	3.9 U	3.9 U		40	
Carbon disulfide	ug/L	1.8 U	1.8 U		40	
Carbon tetrachloride	ug/L	0.44 U	0.44 U		40	
Chlorobenzene	ug/L	4.2	4.1	4	40	
Chloroethane	ug/L	3.7 U	3.7 U		40	
Chloroform	ug/L	0.56 U	0.56 U		40	
Chloromethane	ug/L	0.92 U	0.92 U		40	
cis-1,2-Dichloroethene	ug/L	0.83 U	0.83 U		40	
cis-1,3-Dichloropropene	ug/L	0.51 U	0.51 U		40	
Dibromochloromethane	ug/L	0.97 U	0.97 U		40	
Dibromomethane	ug/L	0.34 U	0.34 U		40	
Ethylbenzene	ug/L	0.30 U	0.30 U		40	
Iodomethane	ug/L	9.3 U	9.3 U		40	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 South Bayview Blvd.
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(813)881-9401

QUALITY CONTROL DATA

Project: DIL 4000WM
Pace Project No.: 35735198

SAMPLE DUPLICATE: 4643220

Parameter	Units	35735380003 Result	Dup Result	RPD	Max RPD	Qualifiers
Isopropylbenzene (Cumene)	ug/L	0.30 U	0.30 U		40	
m&p-Xylene	ug/L	2.1 U	2.1 U		40	
Methyl-tert-butyl ether	ug/L	1.6 U	1.6 U		40	
Methylene Chloride	ug/L	4.4 U	4.4 U		40	
o-Xylene	ug/L	0.57 U	0.57 U		40	
Styrene	ug/L	0.65 U	0.65 U		40	
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
Toluene	ug/L	0.71 U	0.71 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.89 U	0.89 U		40	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	2.5 U		40	
Trichloroethene	ug/L	0.36 U	0.36 U		40	
Trichlorofluoromethane	ug/L	0.82 U	0.82 U		40	
Vinyl acetate	ug/L	1.8 U	1.8 U		40	J(v1)
Vinyl chloride	ug/L	0.88 U	0.88 U		40	
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	103	100		40	
4-Bromofluorobenzene (S)	%	99	99		40	
Toluene-d8 (S)	%	99	99		40	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: DIL 4000WM
Pace Project No.: 35735198

QC Batch: 846114
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: 8011 EDB DBCP
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35735198002, 35735198003, 35735198004

METHOD BLANK: 4653302 Matrix: Water
Associated Lab Samples: 35735198002, 35735198003, 35735198004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	08/09/22 18:24	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	08/09/22 18:24	

LABORATORY CONTROL SAMPLE: 4653303

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.25	100	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.26	103	60-140	

MATRIX SPIKE SAMPLE: 4654031

Parameter	Units	35734875007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0066 U	0.25	0.23	91	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.0077 U	0.25	0.24	93	60-140	

SAMPLE DUPLICATE: 4654032

Parameter	Units	35734878001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0065 U	0.0065 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.0077 U	0.0077 U		40	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: DIL 4000WM
Pace Project No.: 35735198

QC Batch: 844510
QC Batch Method: EPA 3510
Analysis Method: EPA 8270 by SIM
Analysis Description: 8270 Water PAHLV by SIM MSSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35735198002, 35735198003, 35735198004

METHOD BLANK: 4643607 Matrix: Water
Associated Lab Samples: 35735198002, 35735198003, 35735198004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	0.039 U	2.0	0.039	08/02/22 14:19	
2-Methylnaphthalene	ug/L	0.068 U	2.0	0.068	08/02/22 14:19	
Acenaphthene	ug/L	0.019 U	0.50	0.019	08/02/22 14:19	
Acenaphthylene	ug/L	0.031 U	0.50	0.031	08/02/22 14:19	
Anthracene	ug/L	0.020 U	0.50	0.020	08/02/22 14:19	
Benzo(a)anthracene	ug/L	0.020 U	0.10	0.020	08/02/22 14:19	
Benzo(a)pyrene	ug/L	0.021 U	0.20	0.021	08/02/22 14:19	
Benzo(b)fluoranthene	ug/L	0.027 U	0.10	0.027	08/02/22 14:19	
Benzo(g,h,i)perylene	ug/L	0.023 U	0.50	0.023	08/02/22 14:19	
Benzo(k)fluoranthene	ug/L	0.024 U	0.50	0.024	08/02/22 14:19	
Chrysene	ug/L	0.026 U	0.50	0.026	08/02/22 14:19	
Dibenz(a,h)anthracene	ug/L	0.025 U	0.15	0.025	08/02/22 14:19	
Fluoranthene	ug/L	0.018 U	0.50	0.018	08/02/22 14:19	
Fluorene	ug/L	0.017 U	0.50	0.017	08/02/22 14:19	
Indeno(1,2,3-cd)pyrene	ug/L	0.024 U	0.15	0.024	08/02/22 14:19	
Naphthalene	ug/L	0.29 U	2.0	0.29	08/02/22 14:19	
Phenanthrene	ug/L	0.019 U	0.50	0.019	08/02/22 14:19	
Pyrene	ug/L	0.032 U	0.50	0.032	08/02/22 14:19	
2-Fluorobiphenyl (S)	%	64	32-100		08/02/22 14:19	
p-Terphenyl-d14 (S)	%	81	48-112		08/02/22 14:19	

LABORATORY CONTROL SAMPLE: 4643608

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	5	3.0	59	34-103	
2-Methylnaphthalene	ug/L	5	3.0	60	35-100	
Acenaphthene	ug/L	5	3.1	62	38-102	
Acenaphthylene	ug/L	5	3.0	59	35-97	
Anthracene	ug/L	5	3.2	64	46-107	
Benzo(a)anthracene	ug/L	5	4.0	80	55-113	
Benzo(a)pyrene	ug/L	5	3.8	76	51-112	
Benzo(b)fluoranthene	ug/L	5	3.9	78	58-116	
Benzo(g,h,i)perylene	ug/L	5	3.8	76	45-116	
Benzo(k)fluoranthene	ug/L	5	4.1	82	58-118	
Chrysene	ug/L	5	4.0	80	58-120	
Dibenz(a,h)anthracene	ug/L	5	3.8	77	46-114	
Fluoranthene	ug/L	5	3.8	75	54-118	
Fluorene	ug/L	5	3.2	63	40-105	
Indeno(1,2,3-cd)pyrene	ug/L	5	3.7	75	46-114	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: DIL 4000WM
Pace Project No.: 35735198

LABORATORY CONTROL SAMPLE: 4643608

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/L	5	3.0	60	34-97	
Phenanthrene	ug/L	5	3.5	69	47-110	
Pyrene	ug/L	5	3.8	76	54-117	
2-Fluorobiphenyl (S)	%			61	32-100	
p-Terphenyl-d14 (S)	%			78	48-112	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4643648 4643649

Parameter	Units	35735147005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/L	11.1	4.6	4.6	14.5	15.1	74	87	34-103	4	40	
2-Methylnaphthalene	ug/L	16.4	4.6	4.6	20.1	20.9	80	99	35-100	4	40	
Acenaphthene	ug/L	0.034 I	4.6	4.6	3.0	2.9	64	64	38-102	1	40	
Acenaphthylene	ug/L	0.029 U	4.6	4.6	3.0	3.0	66	67	35-97	1	40	
Anthracene	ug/L	0.018 U	4.6	4.6	3.1	3.1	69	67	46-107	3	40	
Benzo(a)anthracene	ug/L	0.018 U	4.6	4.6	3.6	3.5	79	77	55-113	4	40	
Benzo(a)pyrene	ug/L	0.019 U	4.6	4.6	3.5	3.3	76	73	51-112	3	40	
Benzo(b)fluoranthene	ug/L	0.025 U	4.6	4.6	3.4	3.3	74	71	58-116	4	40	
Benzo(g,h,i)perylene	ug/L	0.021 U	4.6	4.6	3.2	3.1	70	67	45-116	5	40	
Benzo(k)fluoranthene	ug/L	0.022 U	4.6	4.6	3.5	3.5	77	76	58-118	2	40	
Chrysene	ug/L	0.024 U	4.6	4.6	3.4	3.3	75	73	58-120	4	40	
Dibenz(a,h)anthracene	ug/L	0.023 U	4.6	4.6	3.3	3.2	73	70	46-114	4	40	
Fluoranthene	ug/L	0.017 U	4.6	4.6	3.4	3.2	73	71	54-118	4	40	
Fluorene	ug/L	0.032 I	4.6	4.6	3.1	3.1	68	68	40-105	0	40	
Indeno(1,2,3-cd)pyrene	ug/L	0.022 U	4.6	4.6	3.3	3.1	71	68	46-114	5	40	
Naphthalene	ug/L	121	4.6	4.6	131	135	208	309	34-97	3	40	J(M1)
Phenanthrene	ug/L	0.018 U	4.6	4.6	3.1	3.0	69	66	47-110	4	40	
Pyrene	ug/L	0.030 U	4.6	4.6	3.3	3.2	72	70	54-117	3	40	
2-Fluorobiphenyl (S)	%						61	62	32-100			
p-Terphenyl-d14 (S)	%						71	68	48-112			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 South Bayview Blvd.
Oldsmar , FL 34677
(813)881-9401

QUALITY CONTROL DATA

Project: DIL 4000WM
Pace Project No.: 35735198

QC Batch: 844513
QC Batch Method: EPA 3510
Analysis Method: FL-PRO
Analysis Description: FL-PRO Water Low Volume
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35735198002, 35735198003, 35735198004

METHOD BLANK: 4643621 Matrix: Water
Associated Lab Samples: 35735198002, 35735198003, 35735198004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Petroleum Range Organics	mg/L	0.80 U	1.0	0.80	08/03/22 11:52	
N-Pentatriacontane (S)	%	83	42-159		08/03/22 11:52	
o-Terphenyl (S)	%	86	66-139		08/03/22 11:52	

LABORATORY CONTROL SAMPLE: 4643622

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Petroleum Range Organics	mg/L	5	4.0	80	66-119	
N-Pentatriacontane (S)	%			82	42-159	
o-Terphenyl (S)	%			81	66-139	

MATRIX SPIKE SAMPLE: 4643914

Parameter	Units	35735147013 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Petroleum Range Organics	mg/L	0.75 U	4.7	4.5	82	65-123	
N-Pentatriacontane (S)	%				78	42-159	
o-Terphenyl (S)	%				118	66-139	

SAMPLE DUPLICATE: 4643915

Parameter	Units	35735198002 Result	Dup Result	RPD	Max RPD	Qualifiers
Petroleum Range Organics	mg/L	0.72 U	0.73 U		20	
N-Pentatriacontane (S)	%	79	73			
o-Terphenyl (S)	%	85	77			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 South Bayview Blvd.
Oldsmar , FL 34677
(813)881-9401

QUALIFIERS

Project: DIL 4000WM
Pace Project No.: 35735198

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
1p	Analyte recovery in the reporting limit standard (CRDL) exceeded QC limits. Analyte presence below reporting limits in associated samples.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
J(v1)	The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.
J(v2)	The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.
J(v3)	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.
LS	Analyte recovery in the laboratory control sample (LCS) was outside QC limits for one or more of the constituent analytes used in the calculated result.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: DIL 4000WM
Pace Project No.: 35735198

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35735198002	**DW1 (WT samples)**	EPA 8011	846114	EPA 8011	846296
35735198003	**MW3**	EPA 8011	846114	EPA 8011	846296
35735198004	**Dup-1**	EPA 8011	846114	EPA 8011	846296
35735198002	**DW1 (WT samples)**	EPA 3510	844513	FL-PRO	844942
35735198003	**MW3**	EPA 3510	844513	FL-PRO	844942
35735198004	**Dup-1**	EPA 3510	844513	FL-PRO	844942
35735198001	**DW1 (DW samples)**	EPA 200.8	846381		
35735198003	**MW3**	EPA 3010	844268	EPA 6020	844356
35735198004	**Dup-1**	EPA 3010	844268	EPA 6020	844356
35735198002	**DW1 (WT samples)**	EPA 3510	844510	EPA 8270 by SIM	844678
35735198003	**MW3**	EPA 3510	844510	EPA 8270 by SIM	844678
35735198004	**Dup-1**	EPA 3510	844510	EPA 8270 by SIM	844678
35735198001	**DW1 (DW samples)**	EPA 524.2	845122		
35735198003	**MW3**	EPA 8260	844440		
35735198004	**Dup-1**	EPA 8260	844440		
35735198005	**Field Blank**	EPA 8260	844440		

WO# : 35735198

35735198

Pace

CHAIN-OF-CUSTODY / Analytical Request D

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pace

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	HRP Associates, Inc.	Report To:	James Elliott	Attention:	
Address:	4514 Oak Fair Boulevard	Copy To:		Company Name:	
	Suite 143, Tampa, FL 33610			Address:	
Email:	james.elliott@hrpassociates.com	Purchase Order #:		Pace Quote:	
Phone:	NONE Fax:	Project Name:	DIL4000WM	Pace Project Manager:	cameron.meynardie@pacelabs.com,
Requested Due Date:		Project #:		Pace Profile #:	16373-29 & 30

Regulatory Agency	
State / Location	FL

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	8260 Full List	6010 Lead	8270 PAH	FLPRO	8011 EDB	524	200.8 Lead	Residual Chlorine (Y/N)	
1	DW1	DW	C	7-28	14:42	~~7-28~~	~~14:57~~	27	10	X	X	X	X								X	X	X	X			
2	MW3	WT	|	|	14:24			27	10	X	X	X	X						X	X	X	X					
3	DUP-1	WT	L	↓	14:48				27	10	X	X	X	X						X	X	X	X					
4	Field blank	WT	G	↓	14:58				3				X							X								VOC for Fd blank
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
Bottle Kit	Leatha Shaffer Pace	7/26/2022	8:23							
		7/29/22	10:24							
		7/29/22	1316	Pace	7.29-22	1316	2.8	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Stephen Luth

SIGNATURE of SAMPLER:

DATE Signed: 7-28-22

WO#: 35735198

PM: CEM Due Date: 08/09/22
CLIENT: 37-HPRASS

(CUR)

Project #
Project Manager:
Client:

Date and Initials of person:
Examining contents: NG 7-29-22
Label:
Deliver:
pH:

Thermometer Used: T202 Date: 7-29-22 Time: 1316 Initials: DS

State of Origin: FL ☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp.°C	2.6 (Visual)	+0.2 (Correction Factor)	2.8 (Actual)	☑ Samples on ice, cooling process has begun
Cooler #2 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun

Recheck for OOT °C _____(Visual) _____(Correction Factor) _____(Actual) Time:_____ Initials:_____

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other_____

Shipping Method: ☐ First Overnight ☐ Priority Overnight ☐ Standard Overnight ☐ Ground ☐ International Priority
☐ Other_____

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking # _____

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals intact: ☐ Yes ☐ No Ice: Wet Blue Melted None

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other_____

Samples shorted to lab (If Yes, complete) Shorted Date:_____ Shorted Time:_____ Qty:_____

		Comments:
Chain of Custody Present	☑Yes ☐ No ☐N/A	
Chain of Custody Filled Out	☑Yes ☐ No ☐N/A	
Relinquished Signature & Sampler Name COC	☑Yes ☐ No ☐N/A	
Samples Arrived within Hold Time	☑Yes ☐ No ☐N/A	
Rush TAT requested on COC	☐Yes ☑ No ☐N/A	
Sufficient Volume	☑Yes ☐ No ☐N/A	
Correct Containers Used	☑Yes ☐ No ☐N/A	
Containers Intact	☑Yes ☐ No ☐N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☐Yes ☑ No ☐N/A	time is incorrect on a few
All containers needing acid/base preservation have been checked.	☑Yes ☐ No ☐N/A	Preservation Information: Preservative:_____
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: Vials, Microbiology, O&G, PFAS	☑Yes ☐ No ☐N/A	Lot #/Trace #:_____ Date:_____ Time:_____ Initials:_____
Headspace in VOA Vials? (>6mm):	☐Yes ☑ No ☐N/A	
Trip Blank Present:	☑Yes ☐ No ☐N/A	

Comments/ Resolution (use back for additional comments):_____