

# PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY

Hon. Priscilla Trace  
Manatee County

Hon. Ken Doherty  
Charlotte County

Hon. Elton A. Langford  
DeSoto County

Hon. Alan Maio  
Sarasota County

Patrick J. Lehman, P.E., Executive Director

October 11, 2018

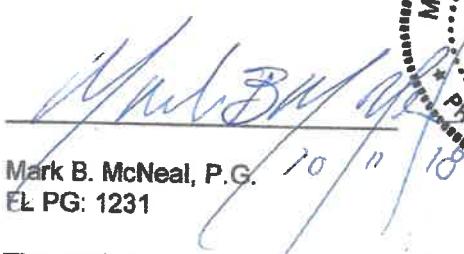
Attention: Mr. Joseph Haberfeld, P.G.  
Florida Department of Environmental Protection  
2600 Blair Stone Road  
Tallahassee, FL 32399

**Subject: Response to RAI No. 1 for Application No. 0136595-018-028-UO/5SR  
Peace River Manasota Regional Water Supply Authority ASR System  
Operation Permit Renewal and Addition of Partially Treated Surface Water as an  
ASR Recharge Source**

Dear Mr. Haberfeld:

On behalf of the Peace River Manasota Regional Water Supply Authority (Authority), please find below responses to Request for Additional Information No. 1 regarding the Florida Department of Environmental Protection (FDEP) Application No. 0136595-018-028-UO/5SR for the operational permit renewal of the Authority's potable water ASR system and adding partially treated surface water as a source water to Wellfield No. 2.

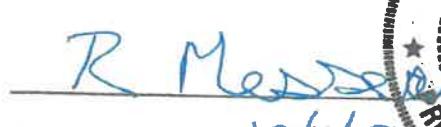
The geological evaluation and interpretations in this Response to RAI No. 1 for Application No. 0136595-018-028-UO/5SR on behalf of the Peace River Manasota Regional Water Supply Authority were prepared and/or reviewed by a Licensed Professional Geologist in the State of Florida.

  
Mark B. McNeal, P.G. 10/11/18  
FL PG: 1231



MARK B. MCNEAL  
LICENSE  
No. 1231  
STATE OF  
FLORIDA  
PROFESSIONAL GEOLOGIST

The engineering evaluation and interpretations in this Response to RAI No. 1 for Application No. 0136595-018-028-UO/5SR on behalf of the Peace River Manasota Regional Water Supply Authority were prepared and/or reviewed by a Licensed Professional Engineer in the State of Florida.

  
Ryan Messer, P.E. 10/11/18  
FL PE: 79332



RYAN A. MESSER  
LICENSE  
No. 79332  
★  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER

The Department's comments included on the RAI are below in black, and the corresponding responses are below in blue.

*Permit Application submitted February 21, 2018.*

1. In Appendix C, it is stated that monitor well M-15 measured arsenic greater than 10 µg/L. The graph for M-15 has 4 exceedances in 2017. Was the well resampled as required by item 6.(c)1., page 10 of the Water Quality Criteria Exemption? This criteria reads "If the maximum contaminant level (MCL) for arsenic (0.010 mg/L) is exceeded at Suwannee Limestone monitoring wells M-2, M-15, M-18, M-19, or M-21, or at Intermediate aquifer system monitoring wells E, I-7, I-8, I-10, T-2, T-7, T-8, or T-11, a confirmation sample shall be obtained and analyzed within three business days after receipt of the first sample result. If the arsenic concentration confirmation sample is greater than the MCL, the Authority shall investigate the MCL exceedance(s) and within 90 days provide to the Department a report that evaluates the potential causes of the exceedances and actions proposed by the Authority to abate or eliminate the exceedances. Potential actions shall include but not be limited to the cessation of injection into nearby ASR wells until the affected monitoring wells come into compliance." If the procedure was followed, please submit the documentation.

*Water quality data from the monitoring wells listed in the WQCE have been consistently below the MCL for arsenic since the issuance of the WQCE. The first occurrence of arsenic concentrations over 10 ug/L was observed at M-15 on December 4, 2017 while the pilot test wells were in the recovery period for Cycle 2. Arsenic exceedances were found to also occur at this well following subsequent samples collected December 12 and December 19. Evaluation of the extensive water quality data set by the Authority staff coincides with the assembly of the monthly operating report that is completed before the end of the following month. Once the elevated arsenic concentrations at M-15 were observed, the Authority increased the sampling frequency of M-15 to twice weekly to meet the intent of the conditions of the WQCE. The increased sampling frequency began February 6, 2018. The increased sampling was deemed an appropriate measure to monitor the relatively low concentrations of arsenic observed at the monitoring well, particularly since M-15 is in the middle of the property under the control of the Authority and not near a property boundary. A twice weekly sampling schedule was necessary as laboratory results are not received within 3 days, and typically take between 7 to 20 days to receive, therefore waiting on the analysis result would not meet the 3-day re-sample requirement of the WQCE. An Evaluation and Action Plan Report summarizing the M-15 arsenic concentrations and the steps taken to monitor the arsenic on a more frequent basis was submitted to the Department on April 10, 2018. An update was subsequently provided to the Department on July 11, 2018.*

*The Authority remains committed to reporting water quality data associated with its ASR program to the Department as timely as practical. We have reviewed our internal procedures and commit to more timely Department notification in the future. We request that if the Department is considering similar language in the permit related to the ZOD compliance that it provides up to 10 business days from sample date to implement a resampling event for confirmation purposes. This would provide adequate time to receive the laboratory results and for the Authority staff to review the data for potential excursions.*

2. Page 7 of the 2013 operation permit requires analytical results for primary and secondary drinking water standards to be reported annually for the finished (potable) water. Results for the reservoir were provided in the 2016 annual report. Finished water analyses for 2016 and 2017 were not provided in the renewal application or the 2016 annual report.

*Under the current FDEP ASR operation permit, the Authority is required to provide the primary and secondary monitoring lab results annually for finished water. The required ASR*

system annual finished water monitoring lab results for 2016, 2017 & 2018 are located in **Attachment 1**, **Attachment 2**, and **Attachment 3**, respectively. These samples are routinely scheduled for sample collection in July or August each year when the Authority is typically expected to be in ASR System recharge. These reports are also routinely provided to the FDEP annually in the monthly reports following the sample month when lab results are available. The finished water primary and secondary sample laboratory results were transmitted to FDEP on the following dates shown in **Table 1**:

**Table . Finished Water Laboratory Results Transmittal Dates**

Finished Water Sample Date	Date Transmitted to FDEP
July 7, 2016	August 29, 2016
July 5, 2017	August 29, 2017
July 11, 2018	August 29, 2018

*August 23, 2018 letter, "ASR Operation Permit Renewal/Modification – Clarification of Requested Permit". Item numbers correspond with numbers in the document.*

3. Item 1: The Authority requested to able to recharge both potable water and partially treated surface water (PTSW) into wellfield 2, and only potable water into wellfield 1. The Department agrees with this plan. PTSW should not be recharged without a request to do so after the PTSW infrastructure is completed. Please acknowledge.

*The Authority agrees that while the Operation Permit and ZOD will include use of PTSW for recharge and storage in Wellfield 2, the Authority will notify the FDEP and request authorization prior to beginning the initial (first) recharge cycle with PTSW. However, it is the understanding of the Authority that issuance of this permit for PTSW is acceptance by the Department of PTSW ASR at the PRF Wellfield No. 2, and "authorization" to begin the initial recharge of PTSW would be limited to review of related infrastructure upgrades to assure that the system is functional and that the appropriate data will be collected.*

*On a related matter – it is possible that the Authority may need to implement additional limited pilot testing at Wellfield 2 using PTSW, to refine the preliminary design of the PTSW infrastructure. The Authority therefore requests that the new permit include some language that uses the above notification methodology and allows a future description of the planned testing activities be provided in a letter to the FDEP for approval, prior to testing, in lieu of a formal modification of the permit to accommodate testing. Monitoring during the pilot testing will be based on the sampling requirements identified in 136595-016-017-UO/M5 and the reduction of monitoring requirements granted under Item 6 below. Any deviations to these monitoring requirements will be outlined in the notification letter to FDEP prior to initiating future pilot testing. As the pilot testing equipment will be temporary, and the use of ASR wells will be limited similar to the initial pilot study, we further propose that future PTSW testing at Wellfield 2 not trigger the six-month time clock for the construction of well M-24.*

4. Item 2: The Department is agreeable to a zone of discharge (ZOD) as the approach to exceedances of the arsenic drinking water standard in the Suwannee Limestone. Data supports this approach, with none of the wells nearest the property boundary showing arsenic above the maximum contaminant level of 10 µg/L (M-2, M-18, M-21, M-22). Arsenic can be added to the current ZOD for total coliform, aluminum, and color as established in the December 16, 2016 permit modification. The ZOD will extend to the property boundary and contiguous areas under institutional control, such as Water Management District land with an easement granted to the Authority.

*The Authority proposes that the ZOD be established for all secondary drinking water standards in addition to total coliform, arsenic, and disinfection byproducts (haloacetic acids and trihalomethanes). The potential for disinfection byproduct formation may be a concern if in the future the addition of chlorine disinfection to the PTSW is deemed necessary.*

5. Item 2: The Authority requested that the ZOD be extended beyond the property boundary if DeSoto County passes an ordinance prohibiting private wells in the Suwannee Limestone. Extension of a ZOD is subject to a permit modification. A ZOD increase may not be necessary if an Ordinance is passed, since the Ordinance as proposed will serve the same purpose of protecting water well users and public health. In any case, a ZOD outside the land ownership and easement area is likely not permittable under Chapter 62-520, F.A.C.

*Acknowledged. The Authority proposes that any ZOD language in the new permit be revised to reflect the potential for future expansion of Authority property boundaries or other means of property control. We propose that this be accomplished through an administrative request in the form of a letter (rather than through formal permit modification) to the FDEP. Such request should include maps showing new property boundaries and documentation of proof of ownership and/or control.*

6. Item 3: The Department agrees with the Authority's recommendation on the plugging and abandonment of monitor wells I-10, E, and M-22; the cessation of all monitoring (but not plugging and abandonment) of monitor wells M-12, M-13, and M-16; and the elimination of sampling for monitor well M-6 (with continuation of water level monitoring).

*Acknowledged. This reduction in monitoring is reflected in the revised Proposed Monitoring Plan for the Peace River ASR System located in **Attachment 4**.*

7. Item 3: The Department agrees with the Authority's recommendation for the construction of monitor well M-23 to be completed within 18 months of permit issuance, and monitor well M-24 to be completed at least six months prior to initiating recharge with PTSW at ASR Wellfield 2. However, the location for M-23 (Attachment 1) should be moved close to where the southern arrow of the Perpetual Easement line intersects the green easement boundary. New well construction specifications and well locations will require future Department approval; please acknowledge.

*The Authority agrees to move the future monitor well M-23 to a suitable location in the vicinity of the point shown on the map in **Attachment 5**.*

8. Item 5: The Department agrees with the Authority's recommendation that the operation and maintenance manual be submitted within six months after completion of the new PTSW infrastructure. Please define what the PTSW infrastructure will include.

*The Authority agrees that the ASR System O&M Manual will be submitted within six months after completion of the permanent PTSW Infrastructure. As currently envisioned, the permanent PTSW infrastructure will include:*

- *A new water pump station and intake structure on Reservoir 1. The new pump station will have a minimum 20 MGD capacity and will be located near the existing Reservoir 1 pump station. A filtration system for water to be sent to storage in the ASR system is also proposed.*
- *Pipe connection and appurtenances from the new ASR pump station to the recharge/recovery pipeline for ASR Wellfield 2, with additional connection to Peace River WTP influent pipelines from Reservoir 1 (for back-up to the existing reservoir pump station).*

9. Attachment 4: The Avon Park monitor well was not included on the monitoring table. Will water level monitoring or well sampling be included for this well?

*Under permit # 136595-016-017-UO/M5, FDEP allowed cycle testing of ASR Wells S-4 & S-20 to receive PTSW. The Avon Park monitor well was also added as a new monitor well under permit Condition III "Testing and Reporting Requirements", section B-6. "Monitoring well AP-1 shall be sampled semiannually for static pressure or water level, chloride, total dissolved solids, and field pH, specific conductance, and temperature (°C). [62-528.307(2)(d) and 528.431(2)]"*

*The Authority is requesting that the required monitoring of the AP-1 monitor well continue as started in the pilot study and that this monitoring be added to the future approved permit monitoring table. Attachment 4 contains the revised "Proposed Monitoring Plan for the Peace River ASR System" and indicates the addition of well AP-1.*

We trust this response to your RAI meets with your approval. Please contact me (941.916.1776) if you require any additional information to assist with your review of the ASR permit application.

Sincerely,



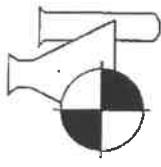
**Mike Coates, P.G.**  
Deputy Director  
Peace River Manasota Regional Water Supply Authority

Copies to: Tracy Woods/FDEP, Tallahassee  
David Rhodes/FDEP South District  
Mike Coates/PRMRWSA  
Sam Stone/PRMRWSA  
Pete Larkin/ASRus  
Mark McNeal/ASRus  
Ryan Messer/Jacobs

**Attachment 1. 2016 Finished Water Quality**

# BENCHMARK

## *EnviroAnalytical Inc.*



Peace River/Manasota R W S  
8998 Sw County Road 769  
Arcadia, FL 34269

Sam Stone

### ANALYTICAL TEST REPORT

#### THESE RESULTS MEET NELAC STANDARDS

REPORT NUMBER: 16070224 - 001  
SYSTEM NAME: Finished Water (Lab Tap)  
SYSTEM ID:

PARAMETER ID	PARAMETER NAME	MCL	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
	TEMPERATURE	DEG C.	30.8	170.1	0.1		07/07/2016	10:00		P RRWS
	TURBIDITY	NTU	0.38	180.1	0.11	ORP	07/07/2016	10:00		P RRWS
	OXIDATION REDUCTION POTENTIAL	M.V	297.7	-439			07/07/2016	10:00		P RRWS
	SPECIFIC CONDUCTANCE, FIELD	UMHOOS/CM	489	SM2510B	1.24		07/07/2016	10:00		P RRWS
	DISSOLVED OXYGEN	MGL	7.64	SM4500-O-C	0.06		07/07/2016	10:00		P RRWS
	PH, FIELD	6.5-8.5	UNITS	SM4500H+B			07/07/2016	10:00		P RRWS

REPORT NUMBER: 16070224 - 001  
SYSTEM NAME: Finished Water (Lab Tap)  
SYSTEM ID:

### INORGANIC ANALYSIS

#### 62-550.310 (1)

PARAMETER ID	PARAMETER NAME	MCL	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
1040	NITRATE NITROGEN	10	MGL	0.020	U		300.0	0.020	07/07/2016	18:54
1041	NITRITE NITROGEN	1.0	MGL	0.020	U		300.0	0.020	07/07/2016	19:54
103B	NITRATE+NITRITE AS N	10	MGL	0.020	U		300.0	0.020	07/07/2016	19:54
1094	ASBESTOS	MFL	0.19	U			100.2	0.19	07/13/2016	08:57
1005	ARSENIC	0.010	Mg/L	0.00069	U		SM3113B	0.00069	07/22/2016	12:36
1010	BARIUM	2	Mg/L	0.015			200.7	0.002	07/22/2016	14:18
1015	CADMIUM	0.005	Mg/L	0.0009	U		200.7	0.0009	07/22/2016	14:18

**INORGANIC ANALYSIS**  
62-550.310 (1)

REPORT NUMBER: 16070224 - 001  
SYSTEM NAME: Finished Water (Lab Tap)  
SYSTEM ID:

PARAMETER ID	PARAMETER NAME	MCL	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
1020	CHROMIUM	0.1	MG/L	0.002	U	200.7	0.002	07/22/2016	14:16	E84167
1024	CYANIDE	0.2	MG/L	0.005	U	335.4	0.005	07/08/2016	13:59	E84167
1025	FLUORIDE	4.0	MG/L	0.134		300.0	0.030	07/15/2016	13:03	E84167
1030	LEAD	0.016	MG/L	0.00067	U	SM3113B	0.00067	07/11/2016	12:43	E84167
1035	MERCURY	0.002	MG/L	0.000198	U	245.1	0.000198	07/12/2016	08:25	E84167
1036	NICKEL	0.1	MG/L	0.004	I	200.7	0.00118	07/22/2016	14:18	E84167
1045	SELENIUM	0.05	MG/L	0.00157	U	SM3113B	0.00157	07/29/2016	16:57	E84167
1052	SODIUM	160	MG/L	48.0		200.7	0.034	07/22/2016	14:18	E84167
1074	ANTIMONY	0.006	MG/L	0.005	U	SM3113B	0.006	08/02/2016	18:18	E84167
1075	BERYLLIUM	0.004	MG/L	0.000078	U	200.7	0.000078	07/22/2016	14:16	E84167
1085	THALLIUM	0.002	MG/L	0.000981	U	200.9	0.000981	08/01/2016	17:25	E84167

**VOLATILE ORGANICS**  
62-550.310 (4) (a)

REPORT NUMBER: 16070224 - 001  
SYSTEM NAME: Finished Water (Lab Tap)  
SYSTEM ID:

PARAMETER ID	PARAMETER NAME	MCL	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
2378	1,2,4-TRICHLOROBENZENE	70	UG/L	0.5	U	524.2	0.5	07/07/2016	16:00	E84167
2380	CIS-1,2-DICHLOROETHENE	70	UG/L	0.5	U	524.2	0.5	07/07/2016	16:00	E84167
2955	XYLEMES	10000	UG/L	0.5	U	524.2	0.5	07/07/2016	18:00	E84167
2964	METHYLENE CHLORIDE	5	UG/L	0.5	U	524.2	0.5	07/07/2016	16:00	E84167
2968	O-DICHLOROBENZENE	600	UG/L	0.5	U	524.2	0.5	07/07/2016	16:00	E84167
2969	PARA-DICHLOROBENZENE	75	UG/L	0.5	U	524.2	0.5	07/07/2016	16:00	E84167
2976	VINYL CHLORIDE	1	UG/L	0.5	U	524.2	0.5	07/07/2016	16:00	E84167
2977	1,1-DICHLOROETHENE	7	UG/L	0.5	U	524.2	0.5	07/07/2016	16:00	E84167
2979	TRANS-1,2-DICHLOROETHENE	100	UG/L	0.5	U	524.2	0.5	07/07/2016	16:00	E84167
2980	1,2-DICHLOROETHANE	3	UG/L	0.5	U	524.2	0.5	07/07/2016	16:00	E84167
2981	1,1,1-TRICHLOROETHANE	200	UG/L	0.5	U	524.2	0.5	07/07/2016	18:00	E84167
2982	CARBON TETRACHLORIDE	3	UG/L	0.5	U	524.2	0.5	07/07/2016	16:00	E84167
2983	1,2-DICHLOROPROPANE	5	UG/L	0.5	U	524.2	0.5	07/07/2016	16:00	E84167
2984	TRICHLOROETHENE	3	UG/L	0.5	U	524.2	0.5	07/07/2016	16:00	E84167

**VOLATILE ORGANICS**  
62-550.310 (4) (a)

REPORT NUMBER: 16070224 - 001  
SYSTEM NAME: Finished Water (Lab Tap)  
SYSTEM ID:

PARAMETER ID	PARAMETER NAME	MCL	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
2985	1,1,2-TRICHLOROETHANE	5	UG/L	0.5	U	524.2	0.5	07/07/2016	16:00	E84167
2987	TETRACHLOROETHENE	3	UG/L	0.5	U	524.2	0.5	07/07/2016	16:00	E84167
2989	MONOCHLOROBENZENE	100	UG/L	0.5	U	524.2	0.5	07/07/2016	16:00	E84167
2990	BENZENE	1	UG/L	0.5	U	524.2	0.5	07/07/2016	16:00	E84167
2991	TOLUENE	1000	UG/L	0.5	U	524.2	0.5	07/07/2016	16:00	E84167
2992	ETHYLBENZENE	700	UG/L	0.5	U	524.2	0.5	07/07/2016	16:00	E84167
2996	STYRENE	100	UG/L	0.5	U	524.2	0.5	07/07/2016	16:00	E84167

**SYNTHETIC ORGANICS**  
62-550.310 (4) (b)

REPORT NUMBER: 16070224 - 001  
SYSTEM NAME: Finished Water (Lab Tap)  
SYSTEM ID:

PARAMETER ID	PARAMETER NAME	MCL	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
2005	ENDRIN	2.0	UG/L	0.0021	C3U	508	0.0021	07/12/2016	22:19	E87052
2010	GAMMA-BHC (LINDANE)	0.2	UG/L	0.0023	U	508	0.0023	07/12/2016	22:19	E87052
2015	METHOXYSCHLOR	40	UG/L	0.0074	U	508	0.0074	07/12/2016	22:19	E87052
2020	TOXAPHENE	3.0	UG/L	0.056	U	508	0.056	07/12/2016	22:19	E87052
2031	DALAPON	200	UG/L	0.98	U	515.1	0.96	07/12/2016	21:33	E87052
2032	DIQUAT	20	UG/L	0.40	U	549.2	0.40	07/14/2016	17:56	E87052
2033	ENDOTHALL	100	UG/L	6.3	C3U	548.1	6.3	07/12/2016	19:06	E87052
2034	GLYPHOSATE	700	UG/L	5.0	U	547	5.0	07/15/2016	06:36	E87052
2035	DI(2-ETHYLHEXYL)ADIPATE	400	UG/L	0.80	U	525.2	0.80	07/17/2016	01:37	E87052
2036	OXAMYL	200	UG/L	0.37	U	531.1	0.37	07/19/2016	07:26	E87052
2037	SIMAZINE	4.0	UG/L	0.035	U	526.2	0.035	07/17/2016	01:37	E87052
2039	DI(2-ETHYLHEXYL)PHTHALATE	6.0	UG/L	0.60	U	525.2	0.60	07/17/2016	01:37	E87052
2040	PICLORAM	500	UG/L	0.074	U	515.1	0.074	07/21/2016	21:33	E87052
2041	DINOSEB	7.0	UG/L	0.14	U	515.1	0.14	07/21/2016	21:33	E87052
2042	HEXAChLOROCYCLOPENTADIENE	50	UG/L	0.042	U	525.2	0.042	07/17/2016	01:37	E87052
2046	CARBOFURAN	40	UG/L	0.25	U	531.1	0.25	07/19/2016	07:26	E87052
2050	ATRAZINE	3.0	UG/L	0.022	U	525.2	0.022	07/17/2016	01:37	E87052
2051	ALACHLOR	2	UG/L	0.033	U	525.2	0.033	07/17/2016	01:37	E87052

**SYNTHETIC ORGANICS**  
62-550.310 (4) (b)

REPORT NUMBER: 16070224 - 001

SYSTEM NAME: Finished Water (Lab Tap)

SYSTEM ID:

PARAMETER ID	PARAMETER NAME	MCL	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
2063	2,3,7,8-TCDD	PGL	1.37	U	1613B		1.37	07/18/2016		E37688
2065	HEPTACHLOR	0.4	UG/L	0.061	C3U	508	0.081	07/12/2016	22:19	E37052
2067	HEPTACHLOR EPoxide	0.2	UG/L	0.0016	U	508	0.0016	07/12/2016	22:19	E37052
2105	2,4-D	70	UG/L	0.036	U	515.1	0.036	07/21/2016	21:33	E37052
2110	2,4,5-TP (SILVEX)	50	UG/L	0.058	U	516.1	0.058	07/21/2016	21:33	E37052
2274	HEXAChLOROBENZENE	1.0	UG/L	0.041	U	526.2	0.041	07/17/2016	01:37	E37052
2306	BENZO(a)PYRENE	0.2	UG/L	0.029	U	525.2	0.029	07/17/2016	01:37	E37052
2326	PENTACHLOROPHENOL	1.0	UG/L	0.037	U	515.1	0.037	07/21/2016	21:33	E37052
2383	PCB	0.5	UG/L	0.044	U	508	0.044	07/12/2016	22:19	E37052
2831	1,2-DIBROMO-3-CHLOROPROPANE	0.20	UG/L	0.014	U	504.1	0.014	07/13/2016	15:00	E34167
2846	ETHYLENE DIBROMIDE	0.02	UG/L	0.01	U	504.1	0.01	07/13/2016	15:00	E34167
2859	CHLORDANE	2.0	UG/L	0.12	U	508	0.12	07/12/2016	22:19	E37052

**RADIONUCLIDES**  
62-550.310 (6)

REPORT NUMBER: 16070224 - 001  
SYSTEM NAME: Finished Water (Lab Tap)

PARAMETER ID	PARAMETER NAME	MCL	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
4000	GROSS ALPHA	15	PCi/L	1.34+0.7	U	800.0	0.9	07/20/2016	13:08	E33033
4006	URANIUM	PCi/L	0.6			808.0	0.6	07/27/2016	06:51	E33033
4006	URANIUM	UG/L	0.9			CALC	0.9	07/27/2016	06:51	E33033
4020	RADIUM-226	5	PCi/L	0.34+/-0.2		903.1	0.2	07/21/2016	09:31	E33033
4030	RADIUM-228	5	PCi/L	0.8	U	Ra-05	0.8	07/20/2016	11:28	E33033

**SECONDARY CONTAMINANTS**  
62-550.320

REPORT NUMBER: 16070224 - 001  
SYSTEM NAME: Finished Water (Lab Tap)

PARAMETER ID	PARAMETER NAME	MCL	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
	COLOR PH		UNITS	8.28		SM4500H+B		07/07/2016	16:23	E34167

**SECONDARY CONTAMINANTS**  
62-550-320

REPORT NUMBER: 16070224 - 001  
SYSTEM NAME: Finished Water (Lab Tap)  
SYSTEM ID:

PARAMETER ID	PARAMETER NAME	MCL	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
1002	ALUMINUM	0.2	MG/L	0.084	I	200.7	0.023	07/22/2016	14:18	E84167
1017	CHLORIDE	250	MG/L	27.6		300.0	0.353	07/11/2016	13:59	E84167
1022	COPPER	1	MG/L	0.004	U	200.7	0.004	07/22/2016	14:18	E84167
1025	FLUORIDE	2.0	MG/L	0.134		300.0	0.030	07/15/2016	13:08	E84167
1028	IRON	0.3	MG/L	0.029	U	200.7	0.029	07/22/2016	14:18	E84167
1032	MANGANESE	0.05	MG/L	0.003	I	200.7	0.00098	07/22/2016	14:18	E84167
1050	SILVER	0.1	MG/L	0.0005	U	200.7	0.0005	07/22/2016	14:18	E84167
1055	SULFATE	250	MG/L	122		300.0	0.389	07/11/2016	13:59	E84167
1095	ZINC	5	MG/L	0.006		200.7	0.0014	07/22/2016	14:18	E84167
1905	COLOR, APPARENT	15	PCU	2.5		SM2/20B	2.5	07/07/2016	18:23	E84167
1920	ODOR	3	TON	2		140.1	1	07/07/2016	15:10	E84167
1925	PH	6.5-8.5	UNITS	8.28	Q	SM4500H+B		07/07/2016	16:28	E84167
1930	TOTAL DISSOLVED SOLIDS	500	MG/L	276		SM2540C	7.26	07/13/2016	10:13	E84167
2905	SURFACTANTS	0.5	MG/L	0.03	U	SM5540C	0.03	07/08/2016	09:56	E84167

**DATA QUALIFIERS THAT MAY APPLY:**

I = Reported value is between the laboratory MCL and the PQL.  
J = Estimated value.  
J3 = Estimated value. Quality control criteria for precision or accuracy not met.  
J4 = Estimated value. Sample matrix interference suspected.  
J5 = Estimated value. Data questionable due to improper lab or field protocols.  
Q = Sample held beyond accepted hold time.  
U = Analyte analyzed but not detected at the value indicated.  
V = Analyte detected in sample and method blank. Results for this analyte in associated samples may be biased high.  
Standard, Duplicate, and Spike values are within control limits. Reported data are usable.

**NOTES:**

PQL =  $4 \times$  MDL  
ND = Not Detected at or above adjusted reporting limit.  
MBAS calculated as LAS; molecular weight = 340.  
X = Value exceeds MCL.  
C3 = Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.

For questions or comments regarding these results, please contact us at (941)723-8986.

Results relate only to the samples.

**Benchmark EnviroAnalytical, Inc.**

1711 Twelfth Street East  
Palmetto, FL 34221

(941) 723-9986  
(941) 723-6061 fax

[www.benchmarkea.com](http://www.benchmarkea.com)

Client: Peace River RWS  
8998 S. W. Country Rd  
Arcadia, FL 34269  
(863) 491-7567  
(863) 491-7569 (Fax)

Cl<sub>2</sub> - 3.5  
Temp - 30.9

NH<sub>3</sub> - 0.38  
pH MC  
07/01/06  
BB

Chain of Custody Form: ASR System Finished Water (Recharge – Annual – July - August)  
Sample Matrix<sup>2</sup>: DW

Sample ID	Sh, As, Ba, Be, Cd, Cr, Cu, Pb, Hg, Ni, Se, Na, Ti, Al, Fe, Mn, Ag, Zn	CN <sup>1</sup>	Gross α, Radium-226 & 228 Total Uranium	Dioxin	Asbestos	VOCs ***	Laboratory Submission #:						
							EDB/DBCP 504	Pesticides 508, 608	Carabamates 531.1	Herbicides 515.3	Glyphosate 547	Semivolatiles 525.2	Endothall 548.1
1: 4 HNO <sub>3</sub> pH<2	NaOH pH>2	1:4 HNO <sub>3</sub> pH<2	Plain	Plain	NaThio 1:1 HCl*	MCCA NaSO <sub>3</sub>	NaSO <sub>3</sub> 1:1 HCl*	NaSO <sub>3</sub> 1:1 HCl*	NaSO <sub>3</sub>	NaSO <sub>3</sub> H <sub>2</sub> SO <sub>4</sub>	NaSO <sub>3</sub> H <sub>2</sub> SO <sub>4</sub>	NaSO <sub>3</sub>	Plain
1 x 1 Quart Plastic	1 x ½ Pint Plastic	2 x 2 Quart Plastic	2 x 1 Liter Glass	1 x 1 Quart Plastic	3 x 40mL Glass Vials**	2 x 40mL Glass Vials**	2 x 40mL Glass Vials	2 x 1 Liter Glass	2 x 1 Liter Glass	2 x 40mL Glass Vials	1 x 1 Liter Glass	1 x 1 Quart Plastic	Plain
Date: 7/17/16	Time: 10:00				• • •	• • •	• • •	• • •	• • •	• • •	• • •	• • •	
Finished Water (Lab Tap)													

\*\*\* VOC's that are Chlorinated have to be preserved with both NaThio and HCl,

\* Fill bottle half full with sample, then add 3 drops of HCl,

\*\* Fill all 3 Vials Full, do head space, sample can not have any air bubbles.

- Check with Dr. Dale Dixon (Benchmark EA Lab Director) regarding Dilution Requirements.

Chlorine residual at time of collection: 3.5

Temperature at time of collection: 30.9

Turbidity at time of collection: 0.38

"Sample Type" is used to indicate whether the sample was a grab (G) or whether it was a composite (C).

"Sample Matrix" is used to indicate whether the sample is being discharged to drinking water (DW), groundwater (GW), surface water (SW), soil, sediment (SDMNT), or sludge (SLDG).

"Container Type" is used to indicate whether the container is plastic (P) or glass (G).

Sample must be refrigerated or stored in wet ice after collection. The temperature during storage should be less than or equal to 6°C (42.8°F).

Under "Preservative," list any preservatives that were added to the sample container.

Instructions:

- Each bottle has a label identifying sample ID, premeasured preservative contained in the bottle, sample type, client ID, and parameters for analysis.
- The following information should be added to each bottle label after collection with permanent black ink: date and time of collection, sampler's name or initials, and any field number or ID.
- All bottles not containing preservative may be rinsed with appropriate sample prior to collection.

Laboratory Sample Acceptability: pH <2.5  
BEA Temperature: 21°C

Collection:	Date:	Time:	Received By:	Date:	Time:	Received By:
1	7/17/16	11:15	Melinda Merchant	7/17/16	11:15	
2	7/17/16	11:30	* Amy Newbern	7/17/16	11:30	
3	7/17/16	13:15	SC N	7/17/16	12:15	

\* ATT 7/17/16



**PROJECT: ASR SYSTEM**  
**STATUS: RECHARGE**  
**MONTHLY / ANNUAL**

Sample Description	Date / Time	pH (std. units)	Temperature (°C)	Specific Conductivity (μmhos/cm)	Oxidation-Reduction Potential (mV)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
Finished Water	11/21/16 10:00	8.37	30.9	499	-21.7	7.4	0.35

## BENCHMARK

Signature of collector / Date and Time:

Page 1 of 1 pages

Comments/Special Instructions: EMSL will invoice to: EnviroCite@bennichmarkets.net

Reclaimed (Lab): <i>✓</i>	Date: 07/07/16	Time: 1600
Relinquished (Client): <i>✓</i> Anna J Jensen	Total # of Samples: 1	

*3.0*

Sample #	Sample Description	Volume/Area (Air)	HA# (Bulk)	Date/Time Sampled
16070224-1	Fractionated Water (Lab Tap)			07/07/16 @ 1000
Samples Name: Client				
Samples Signature:				
<input type="checkbox"/> Check For Positive Stop - Clearly Identify Homogeneous Group				
400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) PLM CDRB 435 - A (0.25% sensitivity) PLM CDRB 435 - B (0.1% sensitivity) PLM CDRB 435 - C (0.1% sensitivity) Point Count w/Gravimetric TEM CDRB 435 - A (0.25% sensitivity) TEM CDRB 435 - B (0.1% sensitivity) TEM CDRB 435 - C (0.1% sensitivity) TEM EPA NOB NY'S NOB 198.4 (non-friable-NY) TEM - Water: EPA 1002 EPA Protocol (Semi-Quantitative) NY'S 198.1 ( friable in NY ) NV'S (98.6 NOB (non-friable-NY) All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drilling Other: <input type="checkbox"/> Fibers > 10μm <input type="checkbox"/> Waste <input type="checkbox"/> Drilling				
NOOSH 9002 (<1%)				
PCM - Air				
For TEM Air 3 hours/ hour, please call ahead to schedule. There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis is completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.				
3 Hours <input type="checkbox"/> 6 Hours <input type="checkbox"/> 24 Hrs <input type="checkbox"/> 3 Days <input type="checkbox"/> 4 Days <input type="checkbox"/> 5 Days <input type="checkbox"/> 10 Days Please Provide Results: <input type="checkbox"/> Email <input checked="" type="checkbox"/> Fax <input type="checkbox"/> Purchase Order <input type="checkbox"/> U.S. State Samples Taken: FL Project Name/Number: 16070224-1 Report To (Name): Bettina Bellifilis Fax #: 941-723-6061 Email Address: Bettina.Bellifilis@bennichmarkets.net Telephone #: 941-723-9986				
Company: Bennichmark Environmental, Inc. Street: 1711 12th Street East City/Province: FL Zip/Postal Code: 34211 Country: USA				
EMSL-Bill to: <input type="checkbox"/> Same <input checked="" type="checkbox"/> Different If Bill to is different note instructions in Comments: Third Party Billing requires written authorization from third party				
EMSL Order Number (Lab Use Only): <i>341606934</i> SUITE 900 ORLANDO, FL, 32804 PHONE: 407-599-5887 FAX: 407-599-9003				



## INTERLABORATORY SAMPLE TRANSMISSION FORM

Benchmark EnviroAnalytical, Inc.  
1711-121 Street East  
Palm Beach, FL 34221  
(941) 723-9986  
(941) 723-6061 fax

Offsite QC Checks

10 BUSINESS DAY PLATE

Date:	07/07/16
# of Samples:	2
Method of Shipment:	Ground
Subcontract Laboratory:	Florida Radiochemistry 5356 Holland Ave., #201 Orlando, FL 32812 Phone: 407-382-7744
Total # of Bottles:	2

BenchmarkQC.com  
1711 12<sup>th</sup> Street East  
Palmetto, FL 34221  
(941) 721-9966  
(941) 721-5611 fax  
[www.benchmarkqc.com](http://www.benchmarkqc.com)  
Office QC Checks  
Bottle Check:

## INTERLABORATORY SAMPLE TRANSMISSION FORM

Date:	07/07/16		
Project Name:	Enriched Water (Lab Test)		
# of Samples:	1	Total # of Bottles:	2
Method of Shipment:	U.P.S. - 2 Day Air	Subcontract Laboratory:	Summit Environmental 3310 Winn Street Cincinnati, Ohio, 45223 (330) 255-8211
Page:	1	of	1

110070445-021

## INTERLABORATORY SAMPLE TRANSMITTAL FORM

Benchmark Environmental Analytical, Inc.  
1711 12<sup>th</sup> Street East  
Palm Beach, FL 33422-2111  
(941) 723-9986  
(941) 723-6661 fax  
[www.BenchmarkUSA.com](http://www.BenchmarkUSA.com)  
Office QC Checks \_\_\_\_\_  
Bottle Checks \_\_\_\_\_

Date:	07/07/16		
# of Samples:	1	Total # of Bottles:	13
Method of Shipment:	Hand Delivery		
Subcontract Laboratory:	Test America Laboratories - Tampa 6712 Benjamin Road Suite 100 Tampa, FL 33634 813-885-7427 ext 139 Keaton Commer: <a href="mailto:keaton.commer@testamericleans.com">keaton.commer@testamericleans.com</a>		
Page:	1	of	

Laboratory Submission #	Collection Date	Collection Time	Sample Matrix*	Collection Method**	Preservative	QTY	Container Capacity	Type***	Comments
16070224-1	07/07/16	1000	DW	Grab	MCAA, Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	2	60mL	G	Carbamates (531.1)
16070224-1	07/07/16	1000	DW	Grab	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	2	1L	G	Pesticides (508)
16070224-1	07/07/16	1000	DW	Grab	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	2	1L	G	Herbicides (515.3)
16070224-1	07/07/16	1000	DW	Grab	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , HCl	2	1L	G	Sensivolatiles (525.2) Dioxin Screen
16070224-1	07/07/16	1000	DW	Grab	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	2	40mL	G	Glyphosate (547)
16070224-1	07/07/16	1000	DW	Grab	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	2	250mL	G	Endothall (548.1)
16070224-1	07/07/16	1000	DW	Grab	H <sub>2</sub> SO <sub>4</sub>	1	1L	P	Diquat (549.2)

<sup>14</sup> Sample A, Methyl Ethyl Ketone (MEK), Surface Water (SW), Fresh Surface Water (FSW), Draining Water (DW), Sludge (SL), Soil (SO), Domestic Effluent (Dom Eff), Industrial Effluent (Ind Eff).

Comments / Type observations		Date:	07/08/16	Received By:	Date:
Requested By:	Sign Name:	Date:			
(Benchmark)	Print Name:	Time:	0830		
Retained/Used By:	Sign Name:	Date:	7-8-16	Received By:	Date:
	Print Name:	Time:	1700		

680-127356

3.a/4.1/3.2(CF)4.3(4.5/3.6°C)

# Florida Department of Environmental Protection Safe Drinking Water Program Laboratory Reporting Format

**LABORATORY CERTIFICATION INFORMATION** (to be completed by lab – please type or print legibly)

Lab Name: Benchmark EnviroAnalytical, Inc Florida DOH Certification #: E84167 Certification Expiration Date: 06/30/2017  
Address: 1711 12<sup>th</sup> Street East, Palmetto, FL 34221 Phone #: 941-723-9986  
Were any analyses subcontracted?  Yes  No If yes, please provide DOH certification number(s): E87052, E83033, E87804, E87688

ATTACH DOH ANALYTE SHEET FOR EACH SUBCONTRACTED LAB\*

**ANALYSIS INFORMATION** (to be completed by lab)

Date Sample(s) Received: 07/07/16

PWS ID (From Page 1): Sample Number (From Page 1): Lab Assigned Report # or Job ID: 16070224

Group(s) Analyzed & Results attached for compliance with Chapter 62-550, F.A.C. (Check all that apply):

Inorganics	Synthetic Organics	Volatile Organics	Disinfection Byproducts	Radionuclides	Secondaries	Others
<input checked="" type="checkbox"/> All Except Asbestos	<input checked="" type="checkbox"/> All 30	<input checked="" type="checkbox"/> All 21	<input type="checkbox"/> Trihalomethanes	<input checked="" type="checkbox"/> Single Sample	<input checked="" type="checkbox"/> All 14	<input type="checkbox"/>
<input type="checkbox"/> Partial	<input type="checkbox"/> All Except Dioxin	<input type="checkbox"/> Partial	<input type="checkbox"/> Haloacetic Acids	<input type="checkbox"/> Qtrly Composite**	<input type="checkbox"/> Partial	<input type="checkbox"/>
<input type="checkbox"/> Nitrate	<input type="checkbox"/> Partial	<input type="checkbox"/> Dioxin Only	<input type="checkbox"/> Chlorite	<input type="checkbox"/> Bromate		
<input type="checkbox"/> Asbestos						

## LAB CERTIFICATION

I, Dale D. Dixon / Tülay Tanrisever / Deborah A. Murphy, Lab Director / QC Officer / Project Manager, do HEREBY CERTIFY  
(Print Name) (Print Title)

that all attached analytical data are correct and unless noted meet all requirements of the National Environmental Laboratory Accreditation Conference (NELAC).

Signature: 

Date: 08/05/16

\* Failure to provide a valid and current Florida DOH lab certification number and a current Analyte Sheet for the attached analysis results will result in rejection of the report, possible enforcement against the public water system for failure to sample, and may result in notification of the DOH Bureau of Laboratory Services.  
\*\* Please provide radiological sample dates & locations for each quarter.

**CONFIRMATION & NOTIFICATION IS REQUIRED WITHIN 24 HRS FOR NITRATE OR NITRITE MCL EXCEEDANCES**  
**NON-DETECTS ARE TO BE REPORTED AS THE MDL WITH A "U" QUALIFIER.** (Non-detects reported as "BDL" or with a "<" are not acceptable.)

**COMPLIANCE DETERMINATION** (to be completed by DEP or DOH – attach notes as necessary)

Sample Collection & Analysis Satisfactory:  Yes  No \_\_\_\_\_ Replacement Sample or Report Requested (circle or highlight group(s) above)

Person Notified: \_\_\_\_\_ Date Notified: \_\_\_\_\_ DEP/DOH Reviewing Official: \_\_\_\_\_



*Laboratory Scope of Accreditation*

Page 1 of 13

Attachment to Certificate #: E84167-38, expiration date June 30, 2017. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E84167

EPA Lab Code: FL00289

(941) 723-9986

E84167

Benchmark EnviroAnalytical, Inc.  
1711 12th Street East  
Palmetto, FL 34221

Matrix: Drinking Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
1,1,1-Trichloroethane	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
1,1,2-Trichloroethane	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
1,1-Dichloroethylene	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
1,2,4-Trichlorobenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	9/28/2005
1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1	Synthetic Organic Contaminants	NELAP	4/20/2009
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 504.1	Synthetic Organic Contaminants	NELAP	4/20/2009
1,2-Dichlorobenzene	EPA 524.2	Other Regulated Contaminants	NELAP	12/29/2015
1,2-Dichloroethane	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
1,2-Dichloropropane	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
1,4-Dichlorobenzene	EPA 524.2	Other Regulated Contaminants	NELAP	12/29/2015
Alkalinity as CaCO <sub>3</sub>	SM 2320 B	Primary Inorganic Contaminants	NELAP	5/25/2004
Aluminum	EPA 200.7	Secondary Inorganic Contaminants	NELAP	5/25/2004
Ammonia as N	EPA 350.1	Primary Inorganic Contaminants	NELAP	3/7/2011
Antimony	SM 3113 B	Primary Inorganic Contaminants	NELAP	1/3/2002
Arsenic	SM 3113 B	Primary Inorganic Contaminants	NELAP	1/3/2002
Barium	EPA 200.7	Primary Inorganic Contaminants	NELAP	5/25/2004
Benzene	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
Beryllium	EPA 200.7	Primary Inorganic Contaminants	NELAP	5/25/2004
Boron	EPA 200.7	Secondary Inorganic Contaminants	NELAP	3/7/2011
Bromate	EPA 300.1	Primary Inorganic Contaminants	NELAP	11/21/2008
Bromide	EPA 300.0	Primary Inorganic Contaminants	NELAP	5/25/2004
Bromoacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	4/20/2009
Bromodichloromethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	9/28/2005
Bromoform	EPA 524.2	Group II Unregulated Contaminants	NELAP	9/28/2005
Cadmium	EPA 200.7	Primary Inorganic Contaminants	NELAP	5/25/2004
Calcium	EPA 200.7	Primary Inorganic Contaminants	NELAP	5/25/2004
Carbon tetrachloride	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
Chlorate	EPA 300.1	Secondary Inorganic Contaminants	NELAP	11/21/2008
Chloride	EPA 300.0	Secondary Inorganic Contaminants	NELAP	5/25/2004
Chlorine	SM 4500-Cl G	Primary Inorganic Contaminants	NELAP	3/7/2011
Chlorite	EPA 300.1	Primary Inorganic Contaminants	NELAP	11/21/2008
Chloroacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	4/20/2009
Chlorobenzene	EPA 524.2	Other Regulated Contaminants	NELAP	12/29/2015
Chloroform	EPA 524.2	Group II Unregulated Contaminants	NELAP	9/28/2005
Chromium	EPA 200.7	Primary Inorganic Contaminants	NELAP	5/25/2004
cis-1,2-Dichloroethylene	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005

Clients and Customers are urged to verify the laboratory's current certification status with the Environmental Laboratory Certification Program.

Issue Date: 7/1/2016

Expiration Date: 6/30/2017



### Laboratory Scope of Accreditation

Attachment to Certificate #: E84167-38, expiration date June 30, 2017. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E84167

EPA Lab Code: FL00289

(941) 723-9986

E84167

Benchmark EnviroAnalytical, Inc.  
1711 12th Street East  
Palmetto, FL 34221

Matrix: Drinking Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Color	SM 2120 B	Secondary Inorganic Contaminants	NELAP	7/31/2007
Conductivity	SM 2510 B	Primary Inorganic Contaminants	NELAP	5/25/2004
Copper	EPA 200.7	Primary Inorganic Contaminants, Secondary Inorganic Contaminants	NELAP	5/25/2004
Corrosivity (langlier index)	SM 2330 B	Secondary Inorganic Contaminants	NELAP	3/7/2011
Cyanide	EPA 335.4	Primary Inorganic Contaminants	NELAP	3/7/2011
Dibromoacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	4/20/2009
Dibromochloromethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	9/28/2005
Dichloroacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	4/20/2009
Dichloromethane (DCM, Methylene chloride)	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
Dissolved organic carbon (DOC)	SM 5310 B	Primary Inorganic Contaminants	NELAP	11/21/2008
Escherichia coli	SM 9223 B	Microbiology	NELAP	1/3/2002
Escherichia coli	SM 9223 B /QUANTI-TRAY	Microbiology	NELAP	3/7/2011
Ethylbenzene	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
Fluoride	EPA 300.0	Primary Inorganic Contaminants, Secondary Inorganic Contaminants	NELAP	5/25/2004
Hardness	SM 2340 B	Secondary Inorganic Contaminants	NELAP	3/7/2011
Heterotrophic plate count	SIMPLATE	Microbiology	NELAP	7/1/2016
Heterotrophic plate count	SM 9215 B	Microbiology	NELAP	5/25/2004
Hydrogen sulfide, un-ionized (calculation)	SM 4500-S H (21st Ed.)	Primary Inorganic Contaminants	NELAP	3/7/2011
Iron	EPA 200.7	Secondary Inorganic Contaminants	NELAP	5/25/2004
Lead	SM 3113 B	Primary Inorganic Contaminants	NELAP	1/3/2002
Magnesium	EPA 200.7	Primary Inorganic Contaminants	NELAP	5/25/2004
Manganese	EPA 200.7	Secondary Inorganic Contaminants	NELAP	5/25/2004
Mercury	EPA 245.1	Primary Inorganic Contaminants	NELAP	1/3/2002
Molybdenum	EPA 200.7	Secondary Inorganic Contaminants	NELAP	3/7/2011
Nickel	EPA 200.7	Primary Inorganic Contaminants	NELAP	5/25/2004
Nitrate	EPA 353.2	Primary Inorganic Contaminants	NELAP	1/3/2002
Nitrate as N	EPA 300.0	Primary Inorganic Contaminants	NELAP	5/25/2004
Nitrite as N	EPA 300.0	Primary Inorganic Contaminants	NELAP	5/25/2004
Nitrite as N	EPA 353.2	Primary Inorganic Contaminants	NELAP	5/25/2004
Odor	EPA 140.1	Secondary Inorganic Contaminants	NELAP	1/3/2002
Orthophosphate as P	EPA 300.0	Primary Inorganic Contaminants	NELAP	3/7/2011
pH	SM 4500-H+-B	Secondary Inorganic Contaminants	NELAP	7/31/2007
Potassium	EPA 200.7	Secondary Inorganic Contaminants	NELAP	5/25/2004

Clients and Customers are urged to verify the laboratory's current certification status with the Environmental Laboratory Certification Program.

Issue Date: 7/1/2016

Expiration Date: 6/30/2017



*Laboratory Scope of Accreditation*

Attachment to Certificate #: E84167-38, expiration date June 30, 2017. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E84167

EPA Lab Code: FL00289

(941) 723-9986

**E84167**

**Benchmark EnviroAnalytical, Inc.**  
1711 12th Street East  
Palmetto, FL 34221

**Matrix:** Drinking Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Selenium	SM 3113 B	Primary Inorganic Contaminants	NELAP	1/3/2002
Silica as SiO2	EPA 200.7	Primary Inorganic Contaminants	NELAP	5/25/2004
Silver	EPA 200.7	Secondary Inorganic Contaminants	NELAP	5/25/2004
Sodium	EPA 200.7	Primary Inorganic Contaminants	NELAP	5/25/2004
Styrene	EPA 524.2	Other Regulated Contaminants	NELAP	12/29/2015
Sulfate	EPA 300.0	Primary Inorganic Contaminants, Secondary Inorganic Contaminants	NELAP	5/25/2004
Sulfide	SM 4500-S D/UV-VIS	Primary Inorganic Contaminants	NELAP	3/7/2011
Surfactants - MBAS	SM 5540 C	Secondary Inorganic Contaminants	NELAP	1/3/2002
Tetrachloroethylene (Perchloroethylene)	EPA 524.2	Other Regulated Contaminants	NELAP	12/29/2015
Thallium	EPA 200.9	Primary Inorganic Contaminants	NELAP	1/3/2002
Toluene	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
Total coliforms	SM 9222 B	Microbiology	NELAP	1/3/2002
Total coliforms	SM 9223 B	Microbiology	NELAP	1/3/2002
Total coliforms	SM 9223 B /QUANTI-TRAY	Microbiology	NELAP	3/7/2011
Total dissolved solids	SM 2540 C	Secondary Inorganic Contaminants	NELAP	7/31/2007
Total haloacetic acids (HAAs)	EPA 552.2	Synthetic Organic Contaminants	NELAP	4/20/2009
Total nitrate-nitrite	EPA 300.0	Primary Inorganic Contaminants	NELAP	5/25/2004
Total nitrate-nitrite	EPA 353.2	Primary Inorganic Contaminants	NELAP	1/3/2002
Total organic carbon	SM 5310 B	Primary Inorganic Contaminants	NELAP	5/25/2004
Total trihalomethanes	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
trans-1,2-Dichloroethylene	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
Trichloroacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	10/14/2010
Trichloroethene (Trichloroethylene)	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
Turbidity	EPA 180.1	Secondary Inorganic Contaminants	NELAP	3/7/2011
Vanadium	EPA 200.7	Secondary Inorganic Contaminants	NELAP	3/7/2011
Vinyl chloride	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
Xylene (total)	EPA 524.2	Other Regulated Contaminants	NELAP	12/29/2015
Zinc	EPA 200.7	Secondary Inorganic Contaminants	NELAP	5/25/2004

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Celeste Philip, MD, MPH  
Interim State Surgeon General

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### Laboratory Scope of Accreditation

Attachment to Certificate #: E87052-42, expiration date June 30, 2017. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87052**

EPA Lab Code: **GA00006**

(912) 354-7858

**E87052**

**TestAmerica - Savannah**  
**5102 LaRoche Avenue**  
**Savannah, GA 31404**

Matrix: **Drinking Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
1,1,1,2-Tetrachloroethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	2/6/2002
1,1,1-Trichloroethane	EPA 524.2	Other Regulated Contaminants	NELAP	2/6/2002
1,1,2,2-Tetrachloroethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	2/6/2002
1,1,2-Trichloroethane	EPA 524.2	Other Regulated Contaminants	NELAP	2/6/2002
1,1-Dichloroethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	2/6/2002
1,1-Dichloroethylene	EPA 524.2	Other Regulated Contaminants	NELAP	2/6/2002
1,1-Dichloropropene	EPA 524.2	Group II Unregulated Contaminants	NELAP	2/6/2002
1,2,3-Trichlorobenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	2/27/2004
1,2,3-Trichloropropane	EPA 504.1	Group II Unregulated Contaminants	NELAP	4/18/2011
1,2,3-Trichloropropene	EPA 524.2	Group II Unregulated Contaminants	NELAP	12/4/2015
1,2,4-Trichlorobenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	3/19/2012
1,2,4-Trimethylbenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	12/12/2003
1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1	Synthetic Organic Contaminants	NELAP	2/6/2002
1,2-Dihromoethane (EDB, Ethylene dibromide)	EPA 504.1	Synthetic Organic Contaminants	NELAP	2/6/2002
1,2-Dichlorobenzene	EPA 524.2	Other Regulated Contaminants	NELAP	2/6/2002
1,2-Dichloroethane	EPA 524.2	Other Regulated Contaminants	NELAP	2/6/2002
1,2-Dichloropropane	EPA 524.2	Other Regulated Contaminants	NELAP	2/6/2002
1,3,5-Trimethylbenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	2/27/2004
1,3-Dichlorobenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	2/6/2002
1,3-Dichloropropane	EPA 524.2	Group II Unregulated Contaminants	NELAP	2/6/2002
1,4-Dichlorobenzene	EPA 524.2	Other Regulated Contaminants	NELAP	2/6/2002
2,2',3,3',4,4',6-Heptachlorobiphenyl	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
2,2',3,3',4,5',6,6'-Octachlorobiphenyl (BZ 201)	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
2,2',3,4,6-Pentachlorobiphenyl (S25.2 typo for 2,2',3,4',6'-Pentachlorobiphenyl)	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
2,2',4,4'-Tetrachlorobiphenyl (BZ 47)	EPA 525.2	Group I Unregulated Contaminants	NELAP	7/30/2007
2,2-Dichloropropane	EPA 524.2	Group II Unregulated Contaminants	NELAP	2/6/2002
2,3-Dichlorobiphenyl (BZ 5)	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
2,4,5-T	EPA 515.1	Group I Unregulated Contaminants	NELAP	12/2/2005
2,4',5-Trichlorobiphenyl (BZ 31)	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
2,4-D	EPA 515.1	Synthetic Organic Contaminants	NELAP	2/6/2002
2,4-DB	EPA 515.1	Group I Unregulated Contaminants	NELAP	2/6/2002
2,4-Dinitrotoluene (2,4-DNT)	EPA 525.2	Group III Unregulated Contaminants	NELAP	10/17/2003
2,6-Dinitrotoluene (2,6-DNT)	EPA 525.2	Group III Unregulated Contaminants	NELAP	10/17/2003
2-Butanone (Methyl ethyl ketone, MEK)	EPA 524.2	Group II Unregulated Contaminants	NELAP	12/2/2005
2-Chlorobiphenyl (BZ 1)	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
2-Chlorotoluene	EPA 524.2	Group II Unregulated Contaminants	NELAP	2/6/2002

Clients and Customers are urged to verify the laboratory's current certification status with the Environmental Laboratory Certification Program.

Issue Date: 7/1/2016

Expiration Date: 6/30/2017



### Laboratory Scope of Accreditation

Attachment to Certificate #: E87052-42, expiration date June 30, 2017. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87052**

EPA Lab Code: **GA00006**

(912) 354-7858

**E87052**

**TestAmerica - Savannah**  
**5102 LaRoche Avenue**  
**Savannah, GA 31404**

Matrix: **Drinking Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
2-Hexanone	EPA 524.2	Group II Unregulated Contaminants	NELAP	12/2/2005
3-Hydroxycarbofuran	EPA 531.1	Group I Unregulated Contaminants	NELAP	6/24/2003
4,4'-DDD	EPA 508	Group I Unregulated Contaminants	NELAP	7/30/2007
4,4'-DDD	EPA 525.2	Group I Unregulated Contaminants	NELAP	10/17/2003
4,4'-DDE	EPA 508	Group I Unregulated Contaminants	NELAP	7/30/2007
4,4'-DDE	EPA 525.2	Group I Unregulated Contaminants	NELAP	10/17/2003
4,4'-DDT	EPA 508	Group I Unregulated Contaminants	NELAP	7/30/2007
4,4'-DDT	EPA 525.2	Group I Unregulated Contaminants	NELAP	10/17/2003
4-Chlorotoluene	EPA 524.2	Group II Unregulated Contaminants	NELAP	2/6/2002
4-Isopropyltoluene	EPA 524.2	Group II Unregulated Contaminants	NELAP	12/12/2003
4-Methyl-2-pentanone (MIBK)	EPA 524.2	Group II Unregulated Contaminants	NELAP	12/2/2005
Acenaphthylene	EPA 525.2	Group III Unregulated Contaminants	NELAP	12/2/2005
Acetochlor	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
Acetone	EPA 524.2	Group II Unregulated Contaminants	NELAP	12/2/2005
Alachlor	EPA 525.2	Synthetic Organic Contaminants	NELAP	9/5/2002
Aldicarb (Temik)	EPA 531.1	Group I Unregulated Contaminants	NELAP	9/5/2002
Aldicarb sulfone	EPA 531.1	Group I Unregulated Contaminants	NELAP	9/5/2002
Aldicarb sulfoxide	EPA 531.1	Group I Unregulated Contaminants	NELAP	6/24/2003
Aldrin	EPA 508	Group I Unregulated Contaminants	NELAP	2/6/2002
Aldrin	EPA 525.2	Group I Unregulated Contaminants	NELAP	9/5/2002
Alkalinity as CaCO <sub>3</sub>	SM 2320 B	Primary Inorganic Contaminants	NELAP	4/5/2013
alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 508	Group I Unregulated Contaminants	NELAP	12/2/2005
alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
alpha-Chlordane	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
Aluminum	EPA 200.7	Secondary Inorganic Contaminants	NELAP	6/17/2003
Aluminum	EPA 200.8	Secondary Inorganic Contaminants	NELAP	6/17/2003
Amenable cyanide	SM 4500-CN- G	Primary Inorganic Contaminants	NELAP	2/6/2002
Anthracene	EPA 525.2	Group III Unregulated Contaminants	NELAP	12/2/2005
Antimony	EPA 200.8	Primary Inorganic Contaminants	NELAP	6/24/2003
Arsenic	EPA 200.8	Primary Inorganic Contaminants	NELAP	6/24/2003
Atrazine	EPA 525.2	Synthetic Organic Contaminants	NELAP	9/5/2002
Barium	EPA 200.7	Primary Inorganic Contaminants	NELAP	2/6/2002
Barium	EPA 200.8	Primary Inorganic Contaminants	NELAP	6/24/2003
Bentazon	EPA 515.1	Group I Unregulated Contaminants	NELAP	11/18/2008
Benzene	EPA 524.2	Other Regulated Contaminants	NELAP	2/6/2002
Benzo(a)anthracene	EPA 525.2	Group III Unregulated Contaminants	NELAP	12/2/2005

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Laboratory Scope of Accreditation

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Attachment to Certificate #: E87052-42, expiration date June 30, 2017. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E87052

EPA Lab Code: GA00006

(912) 354-7858

**E87052**

**TestAmerica - Savannah**  
**5102 LaRoche Avenue**  
**Savannah, GA 31404**

Matrix: Drinking Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Benz(a)pyrene	EPA 525.2	Synthetic Organic Contaminants	NELAP	9/5/2002
Benzo(b)fluoranthene	EPA 525.2	Group III Unregulated Contaminants	NELAP	12/2/2005
Benzo(g,h,i)perylene	EPA 525.2	Group III Unregulated Contaminants	NELAP	12/2/2005
Benzo(k)fluoranthene	EPA 525.2	Group III Unregulated Contaminants	NELAP	12/2/2005
Beryllium	EPA 200.7	Primary Inorganic Contaminants	NELAP	2/6/2002
Beryllium	EPA 200.8	Primary Inorganic Contaminants	NELAP	6/24/2003
beta-BHC (beta-Hexachlorocyclohexane)	EPA 508	Group I Unregulated Contaminants	NELAP	12/2/2005
beta-BHC (beta-Hexachlorocyclohexane)	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
bis(2-Ethylhexyl) phthalate (DEHP)	EPA 525.2	Synthetic Organic Contaminants	NELAP	9/5/2002
Boron	EPA 200.7	Secondary Inorganic Contaminants	NELAP	12/2/2010
Bromacil	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
Bromate	EPA 300.1	Primary Inorganic Contaminants	NELAP	9/5/2002
Bromide	EPA 300.1	Primary Inorganic Contaminants	NELAP	10/17/2003
Bromoacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	9/5/2002
Bromobenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	2/6/2002
Bromochloromethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	12/12/2003
Bromodichloromethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	2/6/2002
Bromoform	EPA 524.2	Group II Unregulated Contaminants	NELAP	2/6/2002
Butachlor	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/12/2003
Butyl benzyl phthalate	EPA 525.2	Group III Unregulated Contaminants	NELAP	10/17/2003
Butylate	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
Cadmium	EPA 200.7	Primary Inorganic Contaminants	NELAP	2/6/2002
Cadmium	EPA 200.8	Primary Inorganic Contaminants	NELAP	6/24/2003
Calcium	EPA 200.7	Primary Inorganic Contaminants	NELAP	2/6/2002
Carbaryl (Sevin)	EPA 531.1	Group I Unregulated Contaminants	NELAP	6/24/2003
Carbofuran (Furadan)	EPA 531.1	Synthetic Organic Contaminants	NELAP	9/5/2002
Carbon tetrachloride	EPA 524.2	Other Regulated Contaminants	NELAP	2/6/2002
Chlorate	EPA 300.1	Secondary Inorganic Contaminants	NELAP	7/30/2007
Chlordane (tech.)	EPA 508	Synthetic Organic Contaminants	NELAP	2/6/2002
Chloride	EPA 300.0	Secondary Inorganic Contaminants	NELAP	2/6/2002
Chloride	EPA 325.2	Secondary Inorganic Contaminants	NELAP	2/6/2002
Chloride	SM 4500-Cl <sup>-</sup> E	Secondary Inorganic Contaminants	NELAP	7/30/2007
Chlorite	EPA 300.1	Primary Inorganic Contaminants	NELAP	12/2/2005
Chloroacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	9/5/2002
Chlorobenzene	EPA 524.2	Other Regulated Contaminants	NELAP	2/6/2002
Chlorobenzilate	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005

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### Laboratory Scope of Accreditation

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EPA Lab Code: **GA00006**

(912) 354-7858

**E87052**

**TestAmerica - Savannah**  
**5102 LaRoche Avenue**  
**Savannah, GA 31404**

Matrix: **Drinking Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Chloroethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	2/6/2002
Chloroform	EPA 524.2	Group II Unregulated Contaminants	NELAP	2/6/2002
Chloroneb	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
Chlorothalonil	EPA 525.2	Group I Unregulated Contaminants	NELAP	7/30/2007
Chlorpropham	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
Chlorpyrifos	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
Chromium	EPA 200.7	Primary Inorganic Contaminants	NELAP	2/6/2002
Chromium	EPA 200.8	Primary Inorganic Contaminants	NELAP	6/24/2003
Chrysene	EPA 525.2	Group III Unregulated Contaminants	NELAP	12/2/2005
cis-1,2-Dichloroethylene	EPA 524.2	Other Regulated Contaminants	NELAP	2/6/2002
cis-1,3-Dichloropropene	EPA 524.2	Group II Unregulated Contaminants	NELAP	2/6/2002
cis-Permethrin	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
Color	EPA 110.2	Secondary Inorganic Contaminants	NELAP	2/6/2002
Color	SM 2120 B	Secondary Inorganic Contaminants	NELAP	2/6/2002
Conductivity	SM 2510 B	Primary Inorganic Contaminants	NELAP	2/6/2002
Copper	EPA 200.7	Primary Inorganic Contaminants, Secondary Inorganic Contaminants	NELAP	2/6/2002
Copper	EPA 200.8	Primary Inorganic Contaminants, Secondary Inorganic Contaminants	NELAP	6/24/2003
Corrosivity (Langlier index)	SM 2330 B	Secondary Inorganic Contaminants	NELAP	2/6/2002
Cyanide	EPA 335.4	Primary Inorganic Contaminants	NELAP	2/6/2002
Cyanide	SM 4500CN-E	Primary Inorganic Contaminants	NELAP	2/6/2002
Cycloate	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
Dalapon	EPA 515.1	Synthetic Organic Contaminants	NELAP	2/6/2002
DCPA di acid degradate	EPA 515.1	Group I Unregulated Contaminants	NELAP	12/2/2005
delta-BHC	EPA 508	Group I Unregulated Contaminants	NELAP	2/6/2002
delta-BHC	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
Di(2-ethylhexyl)adipate	EPA 525.2	Synthetic Organic Contaminants	NELAP	9/5/2002
Dibenz(a,h)anthracene	EPA 525.2	Group III Unregulated Contaminants	NELAP	12/2/2005
Dibromoacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	9/5/2002
Dibromochloromethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	2/6/2002
Dibromomethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	2/6/2002
Dicamba	EPA 515.1	Group I Unregulated Contaminants	NELAP	2/6/2002
Dichloroacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	9/5/2002
Dichlorodifluoromethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	2/6/2002
Dichloromethane (DCM, Methylene chloride)	EPA 524.2	Other Regulated Contaminants	NELAP	2/6/2002

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Governor



Celeste Philip, MD, MPH  
Interim State Surgeon General

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(912) 354-7858

**E87052**

**TestAmerica - Savannah**  
**5102 LaRoche Avenue**  
**Savannah, GA 31404**

Matrix: **Drinking Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Dichloroprop (Dichloroprop)	EPA 515.1	Group I Unregulated Contaminants	NELAP	12/2/2005
Dichlorovos (DDVP, Dichlorvos)	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
Dieldrin	EPA 508	Group I Unregulated Contaminants	NELAP	2/6/2002
Dieldrin	EPA 525.2	Group I Unregulated Contaminants	NELAP	6/11/2003
Diethyl phthalate	EPA 525.2	Group III Unregulated Contaminants	NELAP	10/17/2003
Dimethyl phthalate	EPA 525.2	Group III Unregulated Contaminants	NELAP	10/17/2003
Di-n-butyl phthalate	EPA 525.2	Group III Unregulated Contaminants	NELAP	10/17/2003
Dimobut (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 515.1	Synthetic Organic Contaminants	NELAP	2/6/2002
Diphenamid	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
Diquat	EPA 549.2	Synthetic Organic Contaminants	NELAP	9/5/2002
Dissolved organic carbon (DOC)	SM 5310 B	Primary Inorganic Contaminants	NELAP	12/2/2005
Endosulfan I	EPA 508	Group I Unregulated Contaminants	NELAP	2/6/2002
Endosulfan I	EPA 525.2	Group I Unregulated Contaminants	NELAP	7/30/2007
Endosulfan II	EPA 508	Group I Unregulated Contaminants	NELAP	2/6/2002
Endosulfan II	EPA 525.2	Group I Unregulated Contaminants	NELAP	7/30/2007
Endosulfan sulfate	EPA 508	Group I Unregulated Contaminants	NELAP	2/6/2002
Endosulfan sulfate	EPA 525.2	Group I Unregulated Contaminants	NELAP	7/30/2007
Endothall	EPA 548.1	Synthetic Organic Contaminants	NELAP	9/5/2002
Endrin	EPA 508	Synthetic Organic Contaminants	NELAP	2/6/2002
Endrin	EPA 525.2	Synthetic Organic Contaminants	NELAP	9/5/2002
Endrin aldehyde	EPA 508	Group I Unregulated Contaminants	NELAP	2/6/2002
Endrin aldehyde	EPA 525.2	Group I Unregulated Contaminants	NELAP	7/30/2007
EPTC (Eptam, s-ethyl-dipropyl thio carbamate)	EPA 525.2	Group I Unregulated Contaminants	NELAP	10/17/2003
Ethoprop	EPA 525.2	Group I Unregulated Contaminants	NELAP	7/30/2007
Ethylbenzene	EPA 524.2	Other Regulated Contaminants	NELAP	2/6/2002
Etridiazole	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
Fenarimol	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
Fluorene	EPA 525.2	Group III Unregulated Contaminants	NELAP	12/2/2005
Fluoride	EPA 300.0	Primary Inorganic Contaminants, Secondary Inorganic Contaminants	NELAP	2/6/2002
Fluridone	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 508	Synthetic Organic Contaminants	NELAP	2/6/2002
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 525.2	Synthetic Organic Contaminants	NELAP	9/5/2002
gamma-Chlordane	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
Glyphosate	EPA 547	Synthetic Organic Contaminants	NELAP	9/5/2002

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(912) 354-7858

**E87052**

**TestAmerica - Savannah**  
**5102 LaRoche Avenue**  
**Savannah, GA 31404**

Matrix: **Drinking Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Hardness	EPA 130.2	Secondary Inorganic Contaminants	NELAP	11/18/2008
Hardness	SM 2340 B	Secondary Inorganic Contaminants	NELAP	12/2/2005
Hardness	SM 2340 C	Secondary Inorganic Contaminants	NELAP	11/18/2008
Heptachlor	EPA 508	Synthetic Organic Contaminants	NELAP	2/6/2002
Heptachlor	EPA 525.2	Synthetic Organic Contaminants	NELAP	6/2/2003
Heptachlor epoxide	EPA 508	Synthetic Organic Contaminants	NELAP	2/6/2002
Heptachlor epoxide	EPA 525.2	Synthetic Organic Contaminants	NELAP	6/2/2003
Hexachlorobenzene	EPA 525.2	Synthetic Organic Contaminants	NELAP	9/5/2002
Hexachlorobutadiene	EPA 524.2	Group II Unregulated Contaminants	NELAP	12/12/2003
Hexachlorocyclopentadiene	EPA 525.2	Synthetic Organic Contaminants	NELAP	9/5/2002
Hexazinone (Velpar)	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
Indeno(1,2,3-cd)pyrene	EPA 525.2	Group III Unregulated Contaminants	NELAP	12/2/2005
Iron	EPA 200.7	Secondary Inorganic Contaminants	NELAP	2/6/2002
Isophorone	EPA 525.2	Group III Unregulated Contaminants	NELAP	10/17/2003
Isopropylbenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	12/12/2003
Lead	EPA 200.8	Primary Inorganic Contaminants	NELAP	6/24/2003
m+p-Xylenes	EPA 524.2	Group II Unregulated Contaminants	NELAP	11/18/2008
Magnesium	EPA 200.7	Secondary Inorganic Contaminants	NELAP	2/6/2002
Manganese	EPA 200.7	Secondary Inorganic Contaminants	NELAP	2/6/2002
Manganese	EPA 200.8	Secondary Inorganic Contaminants	NELAP	6/24/2003
Mercury	EPA 200.8	Primary Inorganic Contaminants	NELAP	6/24/2003
Mercury	EPA 245.1	Primary Inorganic Contaminants	NELAP	6/24/2003
Methiocarb (Mesurol)	EPA 531.1	Group I Unregulated Contaminants	NELAP	7/30/2007
Methomyl (Lammate)	EPA 531.1	Group I Unregulated Contaminants	NELAP	6/24/2003
Methoxychlor	EPA 508	Synthetic Organic Contaminants	NELAP	2/6/2002
Methoxychlor	EPA 525.2	Synthetic Organic Contaminants	NELAP	9/5/2002
Methyl bromide (Bromomethane)	EPA 524.2	Group II Unregulated Contaminants	NELAP	12/2/2005
Methyl chloride (Chloromethane)	EPA 524.2	Group II Unregulated Contaminants	NELAP	2/6/2002
Methyl paraoxon	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
Methyl tert-butyl ether (MTBE)	EPA 524.2	Group II Unregulated Contaminants	NELAP	2/6/2002
Metolachlor	EPA 525.2	Group I Unregulated Contaminants	NELAP	6/24/2003
Metribuzin	EPA 525.2	Group I Unregulated Contaminants	NELAP	6/24/2003
Mevimphos	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
MGK-264	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
Molinate	EPA 525.2	Group I Unregulated Contaminants	NELAP	10/17/2003
Molybdenum	EPA 200.7	Secondary Inorganic Contaminants	NELAP	12/2/2005

Clients and Customers are urged to verify the laboratory's current certification status with the Environmental Laboratory Certification Program.

Issue Date: 7/1/2016

Expiration Date: 6/30/2017

Rick Scott  
Governor



Celeste Philip, MD, MPH  
Interim State Surgeon General

Page 7 of 38

## Laboratory Scope of Accreditation

Attachment to Certificate #: E87052-42, expiration date June 30, 2017. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E87052

EPA Lab Code: GA00006

(912) 354-7858

**E87052**

**TestAmerica - Savannah**  
**5102 LaRoche Avenue**  
**Savannah, GA 31404**

Matrix: Drinking Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Molybdenum	EPA 200.8	Secondary Inorganic Contaminants	NELAP	6/23/2010
Naphthalene	EPA 524.2	Group II Unregulated Contaminants	NELAP	2/27/2004
Napropamide	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
n-Butylbenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	12/12/2003
Nickel	EPA 200.7	Primary Inorganic Contaminants	NELAP	2/6/2002
Nickel	EPA 200.8	Primary Inorganic Contaminants	NELAP	6/24/2003
Nitrate	EPA 300.0	Primary Inorganic Contaminants	NELAP	2/6/2002
Nitrate	EPA 353.2	Primary Inorganic Contaminants	NELAP	2/6/2002
Nitrite	EPA 300.0	Primary Inorganic Contaminants	NELAP	2/6/2002
Nitrite	EPA 353.2	Primary Inorganic Contaminants	NELAP	2/6/2002
Norflurazon	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
n-Propylbenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	12/12/2003
Odor	EPA 140.1	Secondary Inorganic Contaminants	NELAP	2/6/2002
Odor	SM 2150 B	Secondary Inorganic Contaminants	NELAP	11/18/2008
Orthophosphate as P	EPA 365.1	Primary Inorganic Contaminants	NELAP	12/2/2005
Orthophosphate as P	SM 4500-P F	Primary Inorganic Contaminants	NELAP	11/18/2008
Oxamyl	EPA 531.1	Synthetic Organic Contaminants	NELAP	9/5/2002
o-Xylene	EPA 524.2	Group II Unregulated Contaminants	NELAP	12/2/2005
PCBs	EPA 508	Synthetic Organic Contaminants	NELAP	2/6/2002
Pebulate	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
Pentachlorophenol	EPA 515.1	Synthetic Organic Contaminants	NELAP	2/6/2002
pH	EPA 150.1	Secondary Inorganic Contaminants, Primary Inorganic Contaminants	NELAP	2/6/2002
pH	SM 4500-H+B	Primary Inorganic Contaminants, Secondary Inorganic Contaminants	NELAP	7/30/2007
Phenanthrene	EPA 525.2	Group III Unregulated Contaminants	NELAP	12/2/2005
Picloram	EPA 515.1	Synthetic Organic Contaminants	NELAP	3/20/2013
Potassium	EPA 200.7	Secondary Inorganic Contaminants	NELAP	3/25/2003
Pronamide (Kerb)	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
Propachlor (Ramrod)	EPA 525.2	Group I Unregulated Contaminants	NELAP	9/5/2002
Propazine	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
Propoxur (Baygon)	EPA 531.1	Group I Unregulated Contaminants	NELAP	7/30/2007
Pyrene	EPA 525.2	Group III Unregulated Contaminants	NELAP	12/2/2005
sec-Butylbenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	12/12/2003
Selenium	EPA 200.8	Primary Inorganic Contaminants	NELAP	6/24/2003
Silica as SiO2	EPA 200.7	Primary Inorganic Contaminants	NELAP	12/2/2005

Clients and Customers are urged to verify the laboratory's current certification status with the Environmental Laboratory Certification Program.

Issue Date: 7/1/2016

Expiration Date: 6/30/2017



### Laboratory Scope of Accreditation

Attachment to Certificate #: E87052-42, expiration date June 30, 2017. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87052**

EPA Lab Code: **GA00006**

(912) 354-7858

**E87052**

TestAmerica - Savannah  
5102 LaRoche Avenue  
Savannah, GA 31404

Matrix: **Drinking Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Silver	EPA 200.7	Secondary Inorganic Contaminants	NELAP	2/6/2002
Silver	EPA 200.8	Secondary Inorganic Contaminants	NELAP	6/24/2003
Silvex (2,4,5-TP)	EPA 515.1	Synthetic Organic Contaminants	NELAP	2/6/2002
Simazine	EPA 525.2	Synthetic Organic Contaminants	NELAP	9/5/2002
Sodium	EPA 200.7	Primary Inorganic Contaminants	NELAP	2/6/2002
Styrene	EPA 524.2	Other Regulated Contaminants	NELAP	2/6/2002
Sulfate	EPA 300.0	Primary Inorganic Contaminants, Secondary Inorganic Contaminants	NELAP	2/6/2002
Sulfate	EPA 375.4	Secondary Inorganic Contaminants	NELAP	2/6/2002
Surfactants - MBAS	EPA 425.1	Secondary Inorganic Contaminants	NELAP	2/6/2002
Surfactants - MBAS	SM 5540 C	Secondary Inorganic Contaminants	NELAP	2/6/2002
Terbacil	EPA 525.2	Group I Unregulated Contaminants	NELAP	10/17/2003
tert-Butylbenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	12/12/2003
Tetrachloroethylene (Perchloroethylene)	EPA 524.2	Other Regulated Contaminants	NELAP	2/6/2002
Thallium	EPA 200.8	Primary Inorganic Contaminants	NELAP	6/24/2003
Toluene	EPA 524.2	Other Regulated Contaminants	NELAP	2/6/2002
Total dissolved solids	EPA 160.1	Secondary Inorganic Contaminants	NELAP	2/6/2002
Total dissolved solids	SM 2540 C	Secondary Inorganic Contaminants	NELAP	2/6/2002
Total haloacetic acids (HAA5)	EPA 552.2	Synthetic Organic Contaminants	NELAP	12/2/2005
Total nitrate-nitrite	EPA 300.0	Primary Inorganic Contaminants	NELAP	2/6/2002
Total nitrate-nitrite	EPA 353.2	Primary Inorganic Contaminants	NELAP	2/6/2002
Total organic carbon	SM 5310 B	Primary Inorganic Contaminants	NELAP	12/2/2005
Total trihalomethanes	EPA 524.2	Other Regulated Contaminants	NELAP	2/6/2002
Toxaphene (Chlorinated camphene)	EPA 508	Synthetic Organic Contaminants	NELAP	2/6/2002
trans-1,2-Dichloroethylene	EPA 524.2	Other Regulated Contaminants	NELAP	2/6/2002
trans-1,3-Dichloropropene	EPA 524.2	Group II Unregulated Contaminants	NELAP	2/6/2002
trans-Nonachlor	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
trans-Permetrin	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
Triadimefon	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
Trichloroacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	9/5/2002
Trichloroethylene (Trichloroethylene)	EPA 524.2	Other Regulated Contaminants	NELAP	2/6/2002
Trichlorofluoromethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	2/6/2002
Tricyclazole	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
Trifluralin (Treflan)	EPA 525.2	Group I Unregulated Contaminants	NELAP	7/30/2007
Turbidity	EPA 180.1	Secondary Inorganic Contaminants	NELAP	2/6/2002
Turbidity	SM 2130 B	Secondary Inorganic Contaminants	NELAP	2/6/2002

Clients and Customers are urged to verify the laboratory's current certification status with the Environmental Laboratory Certification Program.

Issue Date: 7/1/2016

Expiration Date: 6/30/2017

Rick Scott  
Governor



Celeste Philip, MD, MPH  
Interim State Surgeon General

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### Laboratory Scope of Accreditation

Attachment to Certificate #: E87052-42, expiration date June 30, 2017. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87052**

EPA Lab Code:

**GA00006**

(912) 354-7858

**E87052**

**TestAmerica - Savannah**  
**5102 LaRoche Avenue**  
**Savannah, GA 31404**

Matrix: **Drinking Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
UV 254	SM 5910 B	Primary Inorganic Contaminants	NELAP	12/2/2005
Vanadium	EPA 200.7	Secondary Inorganic Contaminants	NELAP	12/2/2005
Vanadium	EPA 200.8	Secondary Inorganic Contaminants	NELAP	3/19/2012
Vermolate	EPA 525.2	Group I Unregulated Contaminants	NELAP	12/2/2005
Vinyl chloride	EPA 524.2	Other Regulated Contaminants	NELAP	2/6/2002
Xylene (total)	EPA 524.2	Other Regulated Contaminants	NELAP	2/6/2002
Zinc	EPA 200.7	Secondary Inorganic Contaminants	NELAP	12/2/2010
Zinc	EPA 200.8	Secondary Inorganic Contaminants	NELAP	6/24/2003

Clients and Customers are urged to verify the laboratory's current certification status with the Environmental Laboratory Certification Program.

Issue Date: 7/1/2016

Expiration Date: 6/30/2017

Rick Scott  
Governor



FLORIDA  
HEALTH

Celeste Philip, MD, MPH  
Interim State Surgeon General

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*Laboratory Scope of Accreditation*

Attachment to Certificate #: E83033-12, expiration date June 30, 2017. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E83033

EPA Lab Code: FL01113

(407) 382-7733

E83033

Florida Radiochemistry Services, Inc.  
5456 Hoffner Rd, Suite 201  
Orlando, FL 32812

Matrix: Drinking Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Gross-alpha	EPA 900.0	Radiochemistry	NELAP	6/28/2001
Gross-beta	EPA 900.0	Radiochemistry	NELAP	6/28/2001
Radium-226	EPA 903.0	Radiochemistry	NELAP	12/15/2003
Radium-226	EPA 903.1	Radiochemistry	NELAP	6/28/2001
Radium-228	EPA Ra-05	Radiochemistry	NELAP	6/28/2001
Uranium	EPA 908.0	Radiochemistry	NELAP	6/28/2001

Clients and Customers are urged to verify the laboratory's current certification status with the Environmental Laboratory Certification Program.

Issue Date: 7/1/2016

Expiration Date: 6/30/2017

Rick Scott  
Governor



FLORIDA  
HEALTH

Celeste Philip, MD, MPH  
Interim State Surgeon General

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### Laboratory Scope of Accreditation

Attachment to Certificate #: E87688-43, expiration date June 30, 2017. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E87688

EPA Lab Code: OH00923

(330) 253-8211

E87688

Summit Environmental Technologies, Inc.  
3310 Win Street  
Cuyahoga Falls, OH 44223

Matrix: Drinking Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
2,3,7,8-TCDD (Dioxin, 2,3,7,8-Tetrachlorodibenzo-p-dioxin)	EPA 1613	Dioxin	NELAP	10/28/2005
Alkalinity as CaCO <sub>3</sub>	SM 2320 B	Primary Inorganic Contaminants	NELAP	8/18/2008
Aluminum	EPA 200.7	Secondary Inorganic Contaminants	NELAP	8/18/2008
Aluminum	EPA 200.8	Secondary Inorganic Contaminants	NELAP	7/1/2010
Aminable cyanide	SM 4500-CN-G	Primary Inorganic Contaminants	NELAP	8/18/2008
Antimony	EPA 200.7	Primary Inorganic Contaminants	NELAP	11/25/2008
Antimony	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/1/2010
Arsenic	EPA 200.7	Primary Inorganic Contaminants	NELAP	8/18/2008
Arsenic	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/1/2010
Barium	EPA 200.7	Primary Inorganic Contaminants	NELAP	8/18/2008
Barium	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/1/2010
Beryllium	EPA 200.7	Primary Inorganic Contaminants	NELAP	8/18/2008
Beryllium	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/1/2010
Boron	EPA 200.7	Secondary Inorganic Contaminants	NELAP	8/18/2008
Bromate	EPA 300.1	Primary Inorganic Contaminants	NELAP	8/18/2008
Bromoipide	EPA 300.0	Primary Inorganic Contaminants	NELAP	11/25/2008
Bromide	EPA 300.1	Primary Inorganic Contaminants	NELAP	8/18/2008
Cadmium	EPA 200.7	Primary Inorganic Contaminants	NELAP	8/18/2008
Cadmium	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/1/2010
Calcium	EPA 200.7	Primary Inorganic Contaminants	NELAP	7/1/2010
Chlorate	EPA 300.1	Primary Inorganic Contaminants	NELAP	8/18/2008
Chloride	EPA 300.0	Secondary Inorganic Contaminants	NELAP	8/18/2008
Chlorite	EPA 300.1	Secondary Inorganic Contaminants	NELAP	11/25/2008
Chromium	EPA 200.7	Primary Inorganic Contaminants	NELAP	8/18/2008
Chromium	EPA 200.8	Primary Inorganic Contaminants	NELAP	8/18/2008
Color	SM 2120 B	Secondary Inorganic Contaminants	NELAP	7/1/2010
Conductivity	SM 2510 B	Primary Inorganic Contaminants	NELAP	7/1/2010
Copper	EPA 200.7	Primary Inorganic Contaminants, Secondary Inorganic Contaminants	NELAP	8/18/2008
Copper	EPA 200.8	Primary Inorganic Contaminants, Secondary Inorganic Contaminants	NELAP	7/1/2010
Corrosivity (langlier index)	SM 2330 B	Secondary Inorganic Contaminants	NELAP	8/18/2008
Dissolved organic carbon (DOC)	SM 5310 B	Primary Inorganic Contaminants	NELAP	3/7/2014
Fluoride	EPA 300.0	Primary Inorganic Contaminants	NELAP	8/18/2008
Gross-alpha	EPA 900.0	Radiochemistry	NELAP	8/31/2009

Clients and Customers are urged to verify the laboratory's current certification status with the Environmental Laboratory Certification Program.

Issue Date: 7/1/2016

Expiration Date: 6/30/2017

Rick Scott  
Governor



Celeste Philip, MD, MPH  
Interim State Surgeon General

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### Laboratory Scope of Accreditation

Attachment to Certificate #: E87804-17, expiration date June 30, 2017. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87804**

EPA Lab Code: **FL01176**

(407) 599-5887

**E87804**

**EMSL Analytical, Inc. - Orlando**  
**3303 Parkway Center Court**  
**Orlando, FL 32808**

Matrix: **Drinking Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Asbestos	EPA 100.2	Primary Inorganic Contaminants	NELAP	10/19/2001

Clients and Customers are urged to verify the laboratory's current certification status with the Environmental Laboratory Certification Program.

Issue Date: 7/1/2016

Expiration Date: 6/30/2017

**Attachment 2. 2017 Finished Water Quality**

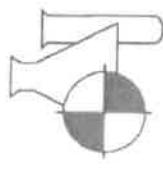
# BENCHMARK

## *EnviroAnalytical Inc.*

FDOH Certification #E84167

Peace River/Manasota R W S  
8998 Sw County Road 769  
Arcadia, FL 34269

Sam Stone



### ANALYTICAL TEST REPORT

#### THESE RESULTS MEET NELAC STANDARDS

REPORT NUMBER: 17070075 - 001

SYSTEM NAME: Finished Water (Lab Tap)

SYSTEM ID: 614-2734

PARAMETER ID	PARAMETER NAME	MCL	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
	TEMPERATURE	DEG C.	28.7			170.1	0.1	07/05/2017	10:00	PR RWs
	TURBIDITY	NTU	0.11			180.1	0.11	07/05/2017	10:00	PR RWs
	OXIDATION REDUCTION POTENTIAL	MV	361.9			ORP	-439	07/05/2017	10:00	PR RWs
	SPECIFIC CONDUCTANCE, FIELD	UMHOS/CM	569			SM2510B	1.24	07/05/2017	10:00	PR RWs
	DISSOLVED OXYGEN	MG/L	7.64			SM4500-O-C	0.05	07/05/2017	10:00	PR RWs
	PH, FIELD	6.5-8.5	UNITS	8.53		SM4500H+B		07/05/2017	10:00	PR RWs

REPORT NUMBER: 17070075 - 001

SYSTEM NAME: Finished Water (Lab Tap)

SYSTEM ID: 614-2734

### INORGANIC ANALYSIS

#### 62-550.310 (1)

PARAMETER ID	PARAMETER NAME	MCL	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
1040	NITRATE NITROGEN	10	MG/L	0.144		353.2	0.004	07/05/2017	16:56	E84167
1041	NITRITE NITROGEN	1	MG/L	0.010	-	353.2	0.003	07/05/2017	16:56	E84167
1038	NITRATE+NITRITE AS N	10	MG/L	0.154		353.2	0.004	07/07/2017	12:39	E84167
1024	ASBESTOS	MF/L	0.12	U		100.2	0.12	07/06/2017	15:01	E87804
1005	ARSENIC	MG/L	0.00069	U		SM3113B	0.00069	07/07/2017	09:51	E84167
1010	BARIUM	2	MG/L	0.021		200.7	0.002	07/07/2017	12:02	E84167
1015	CADMIUM	0.005	MG/L	0.001	1	200.7	0.0009	07/07/2017	12:02	E84167

**INORGANIC ANALYSIS**  
62-550.310 (1)

REPORT NUMBER: 17070075 - 001  
 SYSTEM NAME: Finished Water (Lab Tap)  
 SYSTEM ID: 614-2734

PARAMETER ID	PARAMETER NAME	MCL	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
1020	CHROMIUM	0.1	MG/L	0.004	-	200.7	0.002	07/07/2017	12:02	E84167
1024	CYANIDE	0.2	MG/L	0.005	U	335.4	0.005	07/14/2017	16:15	E84167
1025	FLUORIDE	4.0	MG/L	0.153	-	300.0	0.030	07/10/2017	15:25	E84167
1030	LEAD	0.015	MG/L	0.00067	U	SM3113B	0.00067	07/06/2017	14:01	E84167
1035	MERCURY	0.002	MG/L	0.000198	U	245.1	0.000198	07/07/2017	09:44	E84167
1036	NICKEL	0.1	MG/L	0.00118	U	200.7	0.00118	07/07/2017	12:02	E84167
1045	SELENIUM	0.05	MG/L	0.00157	U	SM3113B	0.00157	07/14/2017	10:48	E84167
1052	SODIUM	160	MG/L	50.2	-	200.7	0.034	07/07/2017	12:02	E84167
1074	ANTIMONY	0.006	MG/L	0.005	U	SM3113B	0.005	07/10/2017	14:02	E84167
1075	BERYLLIUM	0.004	MG/L	0.000078	U	200.7	0.000078	07/07/2017	12:02	E84167
1085	THALLIUM	0.002	MG/L	0.000981	U	200.9	0.000981	07/07/2017	15:39	E84167

**VOLATILE ORGANICS**  
62-550.310 (4) (a)

REPORT NUMBER: 17070075 - 001  
 SYSTEM NAME: Finished Water (Lab Tap)  
 SYSTEM ID: 614-2734

PARAMETER ID	PARAMETER NAME	MCL	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
2378	1,2,4-TRICHLOROBENZENE	70	UG/L	0.5	U	524.2	0.5	07/07/2017	13:08	E84167
2380	CIS-1,2-DICHLOROETHENE	70	UG/L	0.5	U	524.2	0.5	07/07/2017	13:08	E84167
2955	XYLENES	10000	UG/L	0.5	U	524.2	0.5	07/07/2017	13:08	E84167
2984	METHYLENE CHLORIDE	6	UG/L	0.5	U	524.2	0.5	07/07/2017	13:08	E84167
2968	O-DICHLOROBENZENE	600	UG/L	0.5	U	524.2	0.5	07/07/2017	13:08	E84167
2969	PARA-DICHLOROBENZENE	75	UG/L	0.5	U	524.2	0.5	07/07/2017	13:08	E84167
2976	VINYL CHLORIDE	1	UG/L	0.5	U	524.2	0.5	07/07/2017	13:08	E84167
2977	1,1-DICHLOROETHENE	7	UG/L	0.5	U	524.2	0.5	07/07/2017	13:08	E84167
2979	TRANS-1,2-DICHLOROETHENE	100	UG/L	0.5	U	524.2	0.5	07/07/2017	13:08	E84167
2980	1,2-DICHLOROETHANE	3	UG/L	0.5	U	524.2	0.5	07/07/2017	13:08	E84167
2981	1,1,1-TRICHLOROETHANE	200	UG/L	0.5	U	524.2	0.5	07/07/2017	13:08	E84167
2982	CARBON TETRACHLORIDE	3	UG/L	0.5	U	524.2	0.5	07/07/2017	13:08	E84167
2983	1,2-DICHLOROPROPANE	5	UG/L	0.5	U	524.2	0.5	07/07/2017	13:08	E84167
2984	TRICHLOROETHENE	3	UG/L	0.5	U	524.2	0.5	07/07/2017	13:08	E84167

**VOLATILE ORGANICS**  
62-550.310 (4) (a)

REPORT NUMBER: 17070075 - 001  
 SYSTEM NAME: Finished Water (Lab Tap)  
 SYSTEM ID: 614-2734

PARAMETER ID	PARAMETER NAME	MCL	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
2885	1,1,2-TRICHLOROETHANE	5	UG/L	0.5	U	524.2	0.5	07/07/2017	13:08	E84167
2887	TETRACHLOROETHENE	3	UG/L	0.5	U	524.2	0.5	07/07/2017	13:08	E84167
2889	MONOCHLOROBENZENE	100	UG/L	0.5	U	524.2	0.5	07/07/2017	13:08	E84167
2890	BENZENE	1	UG/L	0.5	U	524.2	0.5	07/07/2017	13:08	E84167
2891	TOLUENE	1000	UG/L	0.5	U	524.2	0.5	07/07/2017	13:08	E84167
2892	ETHYLBENZENE	700	UG/L	0.5	U	524.2	0.5	07/07/2017	13:08	E84167
2896	STYRENE	100	UG/L	0.5	U	524.2	0.5	07/07/2017	13:08	E84167

**SYNTHETIC ORGANICS**  
62-550.310 (4) (b)

REPORT NUMBER: 17070075 - 001  
 SYSTEM NAME: Finished Water (Lab Tap)  
 SYSTEM ID: 614-2734

PARAMETER ID	PARAMETER NAME	MCL	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
2005	ENDRIN	2.0	UG/L	0.0067	U	508.1	0.0067	07/20/2017	03:00	E83079
2010	GAMMA-BHC (LINDANE)	0.2	UG/L	0.0029	U	508.1	0.0029	07/20/2017	03:00	E83079
2015	METHOXYPHOR	40	UG/L	0.0480	U	508.1	0.0480	07/20/2017	03:00	E83079
2020	TOXAPHENE	3.0	UG/L	0.5600	U	508.1	0.5800	07/20/2017	03:00	E83079
2031	DALAPON	200	UG/L	0.8900	U	515.3	0.8900	07/09/2017	00:51	E83079
2032	DIQUAT	20	UG/L	0.3000	U	549.2	0.3000	07/10/2017	16:27	E83079
2033	ENDOTHALL	100	UG/L	4.3000	C1U	548.1	4.3000	07/11/2017	03:34	E83079
2034	GLYPHOSATE	700	UG/L	4.2000	U	547	4.2000	07/13/2017	04:29	E83079
2035	BIS(2-ETHYLHEXYL)PHTHALATE	400	UG/L	0.3600	U	525.2	0.3600	07/17/2017	18:11	E83079
2036	OXAMYL	200	UG/L	0.5500	U	531.1	0.5500	07/13/2017	07:48	E83079
2037	SIMAZINE	4.0	UG/L	0.0860	U	508.1	0.0680	07/20/2017	03:00	E83079
2039	BIS(2-ETHYLHEXYL)PHTHALATE	6.0	UG/L	0.4800	U	525.2	0.4800	07/17/2017	18:11	E83079
2040	PICLORAM	500	UG/L	0.0840	U	515.3	0.0940	07/09/2017	00:51	E83079
2041	DINOSEB	7.0	UG/L	0.1600	U	515.3	0.1600	07/09/2017	00:51	E83079
2042	HEXAChLOROCYCLOPENTADIENE	50	UG/L	0.0300	U	508.1	0.0300	07/20/2017	03:00	E83079
2046	CARBOFURAN	40	UG/L	0.3200	C2U	531.1	0.3200	07/13/2017	07:48	E83079
2050	ATRAZINE	3.0	UG/L	0.0600	U	508.1	0.0600	07/20/2017	03:00	E83079
2051	ALACHLOR	2	UG/L	0.0330	U	508.1	0.0330	07/20/2017	03:00	E83079

**SYNTHETIC ORGANICS**  
62-550.310 (4) (b)

REPORT NUMBER: 17070075 - 001  
 SYSTEM NAME: Finished Water (Lab Tap)  
 SYSTEM ID: 614-2734

PARAMETER ID	PARAMETER NAME	MCL	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
2063	2,3,7,8-TCDD		PPB	0.684	U	1613B	0.684	08/09/2017	08:00	E87688
2065	HEPTACHLOR	0.4	UG/L	0.0110	U	508.1	0.0110	07/20/2017	03:00	E83079
2067	HEPTACHLOR EPOXIDE	0.2	UG/L	0.0029	U	508.1	0.0029	07/20/2017	03:00	E83079
2105	2,4-D	70	UG/L	0.0810	U	515.3	0.0810	07/09/2017	00:51	E83079
2110	2,4,5-TP (SILVEK)	50	UG/L	0.1600	U	515.3	0.1600	07/09/2017	00:51	E83079
2274	HEXACHLOROBENZENE	1.0	UG/L	0.0180	U	508.1	0.0180	07/20/2017	03:00	E83079
2306	BENZO(A)PYRENE	0.2	UG/L	0.013	I	525.2	0.0120	07/17/2017	19:11	E83079
2326	PENTACHLOROPHENOL	1.0	UG/L	0.0300	U	515.3	0.0300	07/09/2017	00:51	E83079
2383	PCB, TOTAL	0.5	UG/L	0.0760	U	508.1	0.0760	07/20/2017	03:00	E83079
2931	1,2-DIBROMO-3-CHLOROPROPANE	0.20	UG/L	0.014	U	504.1	0.014	07/06/2017	17:42	E84167
2946	ETHYLENE DIBROMIDE	0.02	UG/L	0.01	U	504.1	0.01	07/06/2017	17:42	E84167
2959	CHLORDANE (TECHNICAL)	2.0	UG/L	0.0450	U	508.1	0.0460	07/20/2017	03:00	E83079

**RADIONUCLIDES**  
62-550.310 (6)

REPORT NUMBER: 17070075 - 001  
 SYSTEM NAME: Finished Water (Lab Tap)  
 SYSTEM ID: 614-2734

PARAMETER ID	PARAMETER NAME	MCL	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
4000	GROSS ALPHA	15	PC/L	1.3+/+0.8	U	900.0	1.3	07/19/2017	12:42	E88033
4006	URANIUM	20	PC/L	0.7+/+0.5	U	908.0	0.7	07/21/2017	06:45	E88033
4006	URANIUM	30	UG/L	1.05+/+0.75	U	CALC	1.05	07/21/2017	06:45	E88033
4020	RADIUM-226	5	PC/L	0.6+/+0.1		903.1	0.1	07/19/2017	09:46	E88033
4030	RADIUM-228	5	PC/L	1.1+/+0.6		Ra-05	0.8	07/19/2017	08:42	E88033

**SECONDARY CONTAMINANTS**  
62-550.320

REPORT NUMBER: 17070075 - 001  
 SYSTEM NAME: Finished Water (Lab Tap)  
 SYSTEM ID: 614-2734

PARAMETER ID	PARAMETER NAME	MCL	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
	COLOR PH		UNITS	8.44		SM4500H+B		07/05/2017	16:11	E84167

**SECONDARY CONTAMINANTS**  
62-550.320

REPORT NUMBER: 17070075 - 001  
 SYSTEM NAME: Finished Water (Lab Tap)  
 SYSTEM ID: 614-2734

PARAMETER ID	PARAMETER NAME	MCL	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
1002	ALUMINUM	0.2	MG/L	0.065	-	200.7	0.023	07/07/2017	12:02	E84167
1017	CHLORIDE	250	MG/L	40.4		300.0	0.353	07/06/2017	15:12	E84167
1022	COPPER	1	MG/L	0.026		200.7	0.004	07/07/2017	12:02	E84167
1025	FLUORIDE	2.0	MG/L	0.153		300.0	0.030	07/10/2017	15:25	E84167
1028	IRON	0.3	MG/L	0.029	U	200.7	0.029	07/07/2017	12:02	E84167
1032	MANGANESE	0.05	MG/L	0.006		200.7	0.00098	07/07/2017	12:02	E84167
1050	SILVER	0.1	MG/L	0.0005	U	200.7	0.0005	07/07/2017	12:02	E84167
1055	SULFATE	250	MG/L	159		300.0	0.339	07/06/2017	15:12	E84167
1095	ZINC	5	MG/L	0.0014	U	200.7	0.0014	07/07/2017	12:02	E84167
1905	COLOR, APPARENT	15	PCU	2.5	U	SM2120B	2.5	07/05/2017	16:11	E84167
1920	ODOR	3	TON	1	U	140.1	1	07/05/2017	14:05	E84167
1925	PH	6.5-8.5	UNITS	8.44	Q	SM450H+B		07/05/2017	15:36	E84167
1930	TOTAL DISSOLVED SOLIDS	500	MG/L	344		SM2540C	7.26	07/07/2017	14:00	E84167
2905	SURFACTANTS	0.5	MG/L	0.03	U	SM5540C	0.03	07/05/2017	14:45	E84167

**DATA QUALIFIERS THAT MAY APPLY:**

- I = Reported value is between the laboratory MDL and the PQL.
- J = Estimated value.
- J3 = Estimated value. Quality control criteria for precision or accuracy not met.
- J4 = Estimated value. Sample matrix interferes/suspected.
- Q = Sample held beyond accepted hold time.
- U = Analyte analyzed but not detected at the value indicated.
- V = Analyte detected in sample and method blank. Results for this analyte in associated samples may be biased high.
- Standard, Duplicate, and Duplicate values are within control limits. Reported data are usable.
- Y = Analysis performed on an improperly preserved sample. Data may be inaccurate.

For questions or comments regarding these results, please contact us at (941)723-9986.

Results relate only to the samples.

**NOTES:**

- PQL =  $4 \times \text{MDL}$ .
- ND = Not Detected at or above adjusted reporting limit.
- MBAS calculated as LAS; molecular weight = 340.
- X = Value exceeds MCL.
- C = Estimated value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
- C2 = Estimated Value. Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.





**PROJECT: ASR SYSTEM**  
**STATUS: RECHARGE**  
**MONTHLY / ANNUAL**

Peace River Regional Water  
Supply Authority  
8998 SW County Road 769  
Arcadia, FL 34269  
Phone: 863-491-7567  
Fax: 863-491-7569

Sample Description	Date / Time	pH (std. units)	Temperature (°C)	Specific Conductivity (michos/cm)	ORP (mV)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
Finished Water	7/5/11	8.53	28.1	589	360.9	7.64	0.11

Notes:

BENCHMARK

Signature of collector / Date and Time:

Morgan Colac ne 7/5/11 1100



## Asbestos Chain of Custody

**EMSL Order Number (Lab Use Only):**

341705881

EMSL - PALM BEACH  
1201 PARKWAY SUITE C-100  
PALM BEACH, FL 33480  
PHONE: 407-599-6866  
FAX: 407-599-6904

Page 8 of 18

Company : Benchmark EnviroAnalytical, Inc.

Street: 1711 12<sup>th</sup> Street East

City: Palmetto

State/Province: FL

Zip/Postal Code: 34221

Country: USA

Report To (Name): Bettina Beilfuss

Fax #: 941-723-6061

Telephone #: 941-723-9986

Email Address: Bettina.Beilfuss@benchmarkea.net

Project Name/Number:

Please Provide Results:  Fax  Email | Purchase Order:

U.S. State Samples Taken: FL

## Turnaround Time (TAT) Options\* – Please Check

3 Hours  6 Hours  24 Hrs  48 Hrs  3 Days  4 Days  5 Days  10 Days

\*For TEM Air 3 hours/6 hours, please call ahead to schedule. \*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

**PCM - Air**

- NIOSH 7400
- w/ OSHA 8hr. TWA

**PLM - Bulk (reporting limit)**

- PLM EPA 600/R-93/116 (<1%)
- PLM EPA NOB (<1%)

## Point Count

- 400 (<0.25%)  1000 (<0.1%)

## Point Count w/Gravimetric

- 400 (<0.25%)  1000 (<0.1%)
- NYS 198.1 ( friable in NY)
- NYS 198.6 NOB (non-friable-NY)
- NIOSH 9002 (<1%)

**TEM - Air**

- AHERA 40 CFR, Part 763
- NIOSH 7402
- EPA Level II
- ISO 10312

**TEM - Bulk**

- TEM EPA NOB
- NYS NOB 198.4 (non-friable-NY)
- Chatfield SOP
- TEM Mass Analysis-EPA 600 sec 2.5

**TEM - Water: EPA 100.2**

- Fibers >10µm  Waste  Drinking
- All Fiber Sizes  Waste  Drinking

**TEM - Dust**

- Microvac - ASTM D 5755
- Wipe - ASTM D6480
- Carpet Sonication (EPA 600/J-93/167)

**Soil/Rock/Vermiculite**

- PLM CARB 435 - A (0.25% sensitivity)
- PLM CARB 435 - B (0.1% sensitivity)
- TEM CARB 435 - B (0.1% sensitivity)
- TEM CARB 435 - C (0.01% sensitivity)
- EPA Protocol (Semi-Quantitative)
- EPA Protocol (Quantitative)

**Other:** **Check For Positive Stop – Clearly Identify Homogenous Group**

Samplers Name: Client

Samplers Signature:

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
17070075	Finished Water (Lab Tap)	1 Qt	7/5/17 1000

Client Sample # (s):

17070075

Total # of Samples: 1

Relinquished (Client):

Melinda Merchant

Date: 7/5/17

Time: 1500

Received (Lab):

Signature

Date: 7-7-17

Time: 9:15 AM

Comments/Special Instructions: Email invoice to: Invoicing@benchmarkea.net

P: 0.76  
TRML @ 9:15 AM NO.

## INTERLABORATORY SAMPLE TRANSMITTAL FORM

Benchmark EnviroAnalytical, Inc.  
1711 12<sup>th</sup> Street East  
Palmetto, FL 34221  
(941) 723-9986  
(941) 723-6061 fax

Office QC Check:  
Bottle Check:

Date: 07/05/17  
# of Samples: 1 Total # of Bottles:  
Method of Shipment: Courier  
Subcontract Laboratory: Florida Radiochemistry  
5456 Hefner Ave #201 Orlando, FL 32812  
Phone: (407) 382-7733 Fax: (407) 382-7734

Page

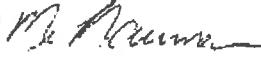
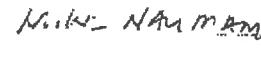
of

1

## 10 BUSINESS DAY T.A.T. PLEASE

Laboratory Submission	Collection Date	Collection Time	Sample Matrix*	Collection Method**	Preservative	Container Qty	Capacity	Type***	Parameters	Field Conductivity
			DW	Grab	1:4 (HNO <sub>3</sub> )	2	2 Qt	P	Gross Alpha, Radium 226 & 228, Total Uranium	μS cm
17070075-1	07/05/17	1000								

\* Sample Type: (Check all that apply) Surface Water (SW), Saline Surface Water (SSW), Fresh Surface Water (FSW), Drilled Water (DW), Groundwater (GW), Surface Soil (SS), Subsoil (SB), Soil/Sediment (Soil/Sed), Domestic Effluent (DomEff), Industrial Effluent (IndEff), Leachate (Leach), Filtered Water (FW), Tap Water (TW), Rainwater (RW), Condensate (CD), Other (Other). \*\* Container Type: (Check all that apply) Glass, Plastic, Metal, Paper, Ceramic, Acrylic, Teflon, Teflon Coated, Teflon Coated w/ TGA, Teflon Coated w/ TGA/HR Coating, Teflon Coated w/ TGA/HR Coating w/ TGA.

Relinquished By:	Sign Name:		Date:	Received By:		Date:
(Benchmark)	Print Name:	Marissa DiSchino	Time:			7/22/17
Relinquished By:	Sign Name:		Date:	Received By:		Date:
	Print Name:		Time:			11-50



## INTERLABORATORY SAMPLE TRANSMITTAL FORM

Benchmark Environmental, Inc.  
 1711 12 Street East  
 Palmerton, PA, 34221  
 (941) 724-8986  
 (941) 723-6061 fax  
[www.benchmarkenv.com](http://www.benchmarkenv.com)  
 Office Of Check:  
 Return Check:

Date:	07/10/17	Total # of Bottles:	2
of Samples:	1	Method of Shipment:	UPS - 2 Day Air
Method of Shipment:		Subcontract Laboratory:	Summit Environmental 3310 Wain Street (330) 253-8211
Page	1	of	1
Sample Matrix	100mg	Collection Method	Container
Substrate	DW	G	Plain
Sample Matrix	100mg	Preservative	Source
Substrate	DW	Plain	Type
Sample Matrix	100mg	Volume	Notes
Substrate	DW	2 ml	C
Sample Matrix	100mg	Volume	Notes
Substrate	DW	0.5ml	C
Sample Matrix	100mg	Volume	Notes
Substrate	DW	0.5ml	C

17070578-006111

Sample Matrix: Soil Collection Method: Soil Preservative: NH4Cl Container: Plastic Source: Soil Soil Type: Soil Domestic/Industrial: Industrial  
 Substrate: Soil Address: 1711 12 Street East, Palmerton, PA, 34221 City: Palmerton State: PA Zip: 18042

Requester: Lynn Jerven Sign Name: Lynn Jerven Date: 07/10/17 Received By: 1600 Time: 1600 UPS: 1600  
 Benchmark: H2 Relinquished:  Sign Name:  Date: 07/10/17 Received By: 1600 Time: 1600 UPS: 1600  
 Date: 07/10/17 Time: 1600 UPS: 1600  
 Date: 07/10/17 Time: 1600 UPS: 1600

# Florida Department of Environmental Protection Safe Drinking Water Program Laboratory Reporting Format

**LABORATORY CERTIFICATION INFORMATION** (to be completed by lab – please type or print legibly)

Lab Name: Benchmark EnviroAnalytical Inc Florida DOH Certification #: E84167 Certification Expiration Date: 06/30/2018

ATTACH CURRENT DOH ANALYTE SHEET\*

Address: 1711 12<sup>th</sup> Street East, Palmetto, FL 34221

Phone #: 941-723-9986

Were any analyses subcontracted?  Yes  No If yes, please provide DOH certification number(s): E83033, E83079, E87804, E87688

ATTACH DOH ANALYTE SHEET FOR EACH SUBCONTRACTED LAB\*

**ANALYSIS INFORMATION** (to be completed by lab)

Date Sample(s) Received: 07/05/17

PWS ID (From Page 1): 614-2734 Sample Number (From Page 1):  Lab Assigned Report # or Job ID: 17070075-001

Group(s) Analyzed & Results attached for compliance with Chapter 62-550, F.A.C. (Check all that apply):

Inorganics	Synthetic Organics	Disinfection Byproducts	Radionuclides	Secondaries	Others
<input checked="" type="checkbox"/> All Except Asbestos	<input checked="" type="checkbox"/> All 30	<input type="checkbox"/> Trihalomethanes	<input type="checkbox"/> Single Sample	<input checked="" type="checkbox"/> All 14	<input type="checkbox"/> Partial
<input type="checkbox"/> Partial	<input type="checkbox"/> All Except Dioxin	<input type="checkbox"/> Haloacetic Acids	<input type="checkbox"/> Qtrly Composite**	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Nitrate	<input type="checkbox"/> Partial	<input type="checkbox"/> Chlorite	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Nitrite	<input type="checkbox"/> Dioxin Only	<input type="checkbox"/> Bromate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Asbestos					

## LAB CERTIFICATION

I, Dale D. Dixon / Tülay Tanrisever / Deborah A. Murphy, Lab Director / QC Officer / Project Manager, do HEREBY CERTIFY  
(Print Name)  
(Print Title)

that all attached analytical data are correct and unless noted meet all requirements of the National Environmental Laboratory Accreditation Conference (NELAC).

Signature: - Tülay Tanrisever Date: 8/11/17

\* Failure to provide a valid and current Florida DOH lab certification number and a current Analyte Sheet for the attached analysis results will result in rejection of the report, possible enforcement against the public water system for failure to sample, and may result in notification of the DOH Bureau of Laboratory Services.  
\*\* Please provide radiological sample dates & locations for each quarter.

**CONFIRMATION & NOTIFICATION IS REQUIRED WITHIN 24 HRS FOR NITRATE OR NITRITE MCL EXCEEDANCES**

**NON-DETECTS ARE TO BE REPORTED AS THE MDL WITH A "U" QUALIFIER.** (Non-detects reported as "BDL" or with a "-<>" are not acceptable.)

**COMPLIANCE DETERMINATION** (to be completed by DEP or DOH – attach notes as necessary)

Sample Collection & Analysis Satisfactory:  Yes  No Replacement Sample or Report Requested (circle or highlight group(s) above)

Person Notified: \_\_\_\_\_ Date Notified: \_\_\_\_\_

DEP/DOH Reviewing Official: \_\_\_\_\_



**Laboratory Scope of Accreditation**

Page 1 of 13

Attachment to Certificate #: E84167-42, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E84167

EPA Lab Code: FL00289

(941) 723-9986

**E84167**

**Benchmark EnviroAnalytical, Inc.**  
1711 12th Street East  
Palmetto, FL 34221

Matrix: Drinking Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
1,1,1-Trichloroethane	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
1,1,2-Trichloroethane	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
1,1-Dichloroethylene	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
1,2,4-Trichlorobenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	9/28/2005
1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1	Synthetic Organic Contaminants	NELAP	4/20/2009
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 504.1	Synthetic Organic Contaminants	NELAP	4/20/2009
1,2-Dichlorobenzene	EPA 524.2	Other Regulated Contaminants	NELAP	12/29/2015
1,2-Dichloroethane	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
1,2-Dichloropropane	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
1,4-Dichlorobenzene	EPA 524.2	Other Regulated Contaminants	NELAP	12/29/2015
Alkalinity as CaCO <sub>3</sub>	SM 2320 B	Primary Inorganic Contaminants	NELAP	5/25/2004
Aluminum	EPA 200.7	Secondary Inorganic Contaminants	NELAP	5/25/2004
Ammonia as N	EPA 350.1	Primary Inorganic Contaminants	NELAP	3/7/2011
Antimony	SM 3113 B	Primary Inorganic Contaminants	NELAP	1/3/2002
Arsenic	SM 3113 B	Primary Inorganic Contaminants	NELAP	1/3/2002
Barium	EPA 200.7	Primary Inorganic Contaminants	NELAP	5/25/2004
Benzene	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
Beryllium	EPA 200.7	Primary Inorganic Contaminants	NELAP	5/25/2004
Boron	EPA 200.7	Secondary Inorganic Contaminants	NELAP	3/7/2011
Bromate	EPA 300.1	Primary Inorganic Contaminants	NELAP	11/21/2008
Bromide	EPA 300.0	Primary Inorganic Contaminants	NELAP	5/25/2004
Bromoacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	4/20/2009
Bromodichloromethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	9/28/2005
Bromoform	EPA 524.2	Group II Unregulated Contaminants	NELAP	9/28/2005
Cadmium	EPA 200.7	Primary Inorganic Contaminants	NELAP	5/25/2004
Calcium	EPA 200.7	Primary Inorganic Contaminants	NELAP	5/25/2004
Carbon tetrachloride	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
Chlorate	EPA 300.1	Secondary Inorganic Contaminants	NELAP	11/21/2008
Chloride	EPA 300.0	Secondary Inorganic Contaminants	NELAP	5/25/2004
Chlorine	SM 4500-Cl G	Primary Inorganic Contaminants	NELAP	3/7/2011
Chlorite	EPA 300.1	Primary Inorganic Contaminants	NELAP	11/21/2008
Chloroacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	4/20/2009
Chlorobenzene	EPA 524.2	Other Regulated Contaminants	NELAP	12/29/2015
Chloroform	EPA 524.2	Group II Unregulated Contaminants	NELAP	9/28/2005
Chromium	EPA 200.7	Primary Inorganic Contaminants	NELAP	5/25/2004
cis-1,2-Dichloroethylene	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005

Clients and Customers are urged to verify the laboratory's current certification status with the Environmental Laboratory Certification Program.

Issue Date: 7/1/2017

Expiration Date: 6/30/2018

Rick Scott  
Governor



Celeste Philip, MD, MPH  
State Surgeon General

### Laboratory Scope of Accreditation

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Attachment to Certificate #: E84167-42, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E84167

EPA Lab Code: FL00289

(941) 723-9986

E84167

Benchmark EnviroAnalytical, Inc.  
1711 12th Street East  
Palmetto, FL 34221

Matrix: Drinking Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Color	SM 2120 B	Secondary Inorganic Contaminants	NELAP	7/31/2007
Conductivity	SM 2510 B	Primary Inorganic Contaminants	NELAP	5/25/2004
Copper	EPA 200.7	Primary Inorganic Contaminants, Secondary Inorganic Contaminants	NELAP	5/25/2004
Corrosivity (langlier index)	SM 2330 B	Secondary Inorganic Contaminants	NELAP	3/7/2011
Cyanide	EPA 335.4	Primary Inorganic Contaminants	NELAP	3/7/2011
Dibromoacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	4/20/2009
Dibromochloromethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	9/28/2005
Dichloroacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	4/20/2009
Dichloromethane (DCM, Methylene chloride)	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
Dissolved organic carbon (DOC)	SM 5310 B	Primary Inorganic Contaminants	NELAP	11/21/2008
Escherichia coli	SM 9223 B	Microbiology	NELAP	1/3/2002
Escherichia coli	SM 9223 B /QUANTI-TRAY	Microbiology	NELAP	3/7/2011
Ethylbenzene	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
Fluoride	EPA 300.0	Primary Inorganic Contaminants, Secondary Inorganic Contaminants	NELAP	5/25/2004
Hardness	SM 2340 B	Secondary Inorganic Contaminants	NELAP	3/7/2011
Heterotrophic plate count	SIMPLATE	Microbiology	NELAP	7/1/2016
Heterotrophic plate count	SM 9215 B	Microbiology	NELAP	5/25/2004
Hydrogen sulfide, un-ionized (calculation)	SM 4500-S H (21st Ed.)	Primary Inorganic Contaminants	NELAP	3/7/2011
Iron	EPA 200.7	Secondary Inorganic Contaminants	NELAP	5/25/2004
Lead	SM 3113 B	Primary Inorganic Contaminants	NELAP	1/3/2002
Magnesium	EPA 200.7	Primary Inorganic Contaminants	NELAP	5/25/2004
Manganese	EPA 200.7	Secondary Inorganic Contaminants	NELAP	5/25/2004
Mercury	EPA 245.1	Primary Inorganic Contaminants	NELAP	1/3/2002
Molybdenum	EPA 200.7	Secondary Inorganic Contaminants	NELAP	3/7/2011
Nickel	EPA 200.7	Primary Inorganic Contaminants	NELAP	5/25/2004
Nitrate	EPA 353.2	Primary Inorganic Contaminants	NELAP	1/3/2002
Nitrate as N	EPA 300.0	Primary Inorganic Contaminants	NELAP	5/25/2004
Nitrite as N	EPA 300.0	Primary Inorganic Contaminants	NELAP	5/25/2004
Nitrite as N	EPA 353.2	Primary Inorganic Contaminants	NELAP	5/25/2004
Odor	EPA 140.1	Secondary Inorganic Contaminants	NELAP	1/3/2002
Orthophosphate as P	EPA 300.0	Primary Inorganic Contaminants	NELAP	3/7/2011
pH	SM 4500-H+-B	Secondary Inorganic Contaminants	NELAP	7/31/2007
Potassium	EPA 200.7	Secondary Inorganic Contaminants	NELAP	5/25/2004

Clients and Customers are urged to verify the laboratory's current certification status with the Environmental Laboratory Certification Program.

Issue Date: 7/1/2017

Expiration Date: 6/30/2018



**Laboratory Scope of Accreditation**

Page 3 of 13

Attachment to Certificate #: E84167-42, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E84167**

EPA Lab Code:

**FL00289**

(941) 723-9986

**E84167**

Benchmark EnviroAnalytical, Inc.  
1711 12th Street East  
Palmetto, FL 34221

Matrix: **Drinking Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Selenium	SM 3113 B	Primary Inorganic Contaminants	NELAP	1/3/2002
Silica as SiO2	EPA 200.7	Primary Inorganic Contaminants	NELAP	5/25/2004
Silver	EPA 200.7	Secondary Inorganic Contaminants	NELAP	5/25/2004
Sodium	EPA 200.7	Primary Inorganic Contaminants	NELAP	5/25/2004
Styrene	EPA 524.2	Other Regulated Contaminants	NELAP	12/29/2015
Sulfate	EPA 300.0	Primary Inorganic Contaminants, Secondary Inorganic Contaminants	NELAP	5/25/2004
Sulfide	SM 4500-S D/UV-VIS	Primary Inorganic Contaminants	NELAP	3/7/2011
Surfactants - MBAS	SM 5540 C	Secondary Inorganic Contaminants	NELAP	1/3/2002
Tetrachloroethylene (Perchloroethylene)	EPA 524.2	Other Regulated Contaminants	NELAP	12/29/2015
Thallium	EPA 200.9	Primary Inorganic Contaminants	NELAP	1/3/2002
Toluene	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
Total coliforms	SM 9222 B	Microbiology	NELAP	1/3/2002
Total coliforms	SM 9223 B	Microbiology	NELAP	1/3/2002
Total coliforms	SM 9223 B /QUANTI-TRAY	Microbiology	NELAP	3/7/2011
Total dissolved solids	SM 2540 C	Secondary Inorganic Contaminants	NELAP	7/31/2007
Total haloacetic acids (HAA5)	EPA 552.2	Synthetic Organic Contaminants	NELAP	4/20/2009
Total nitrate-nitrite	EPA 300.0	Primary Inorganic Contaminants	NELAP	5/25/2004
Total nitrate-nitrite	EPA 353.2	Primary Inorganic Contaminants	NELAP	1/3/2002
Total organic carbon	SM 5310 B	Primary Inorganic Contaminants	NELAP	5/25/2004
Total trihalomethanes	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
trans-1,2-Dichloroethylene	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
Trichloroacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	10/14/2010
Trichloroethene (Trichloroethylene)	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
Turbidity	EPA 180.1	Secondary Inorganic Contaminants	NELAP	3/7/2011
UV 254	SM 5910 B	Primary Inorganic Contaminants	NELAP	11/16/2016
Vanadium	EPA 200.7	Secondary Inorganic Contaminants	NELAP	3/7/2011
Vinyl chloride	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
Xylene (total)	EPA 524.2	Other Regulated Contaminants	NELAP	12/29/2015
Zinc	EPA 200.7	Secondary Inorganic Contaminants	NELAP	5/25/2004

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Celeste Philip, MD, MPH  
State Surgeon General

**Laboratory Scope of Accreditation**

Page 1 of 1

Attachment to Certificate #: E87804-18, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87804**

EPA Lab Code: **FL01176**

(407) 599-5887

**E87804**

**EMSL Analytical, Inc. - Orlando**  
**3303 Parkway Center Court**  
**Orlando, FL 32808**

Matrix: **Drinking Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Asbestos	EPA 100.2	Primary Inorganic Contaminants	NELAP	10/19/2001

Clients and Customers are urged to verify the laboratory's current certification status with the Environmental Laboratory Certification Program.

Issue Date: 7/1/2017

Expiration Date: 6/30/2018

Rick Scott  
Governor



DEPARTMENT OF  
HEALTH

Celeste Philip, MD, MPH  
State Surgeon General

Page 1 of 2

### Laboratory Scope of Accreditation

Attachment to Certificate #: E83033-13, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E83033

EPA Lab Code: FL01113

(407) 382-7733

E83033

Florida Radiochemistry Services, Inc.  
5456 Hoffer Rd. Suite 201  
Orlando, FL 32812

Matrix: Drinking Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Gross-alpha	EPA 900.0	Radiochemistry	NELAP	6/28/2001
Gross-beta	EPA 900.0	Radiochemistry	NELAP	6/28/2001
Radium-226	EPA 903.0	Radiochemistry	NELAP	12/15/2003
Radium-226	EPA 903.1	Radiochemistry	NELAP	6/28/2001
Radium-228	EPA Ra-05	Radiochemistry	NELAP	6/28/2001
Uranium	EPA 908.0	Radiochemistry	NELAP	6/28/2001

Clients and Customers are urged to verify the laboratory's current certification status with the Environmental Laboratory Certification Program.

Issue Date: 7/1/2017

Expiration Date: 6/30/2018



### Laboratory Scope of Accreditation

Attachment to Certificate #: E83079-62, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E83079

EPA Lab Code: FL01264

(386) 672-5668

**E83079**

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

Matrix: Drinking Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
1,1,1,2-Tetrachloroethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
1,1,1-Trichloroethane	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
1,1,2,2-Tetrachloroethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
1,1,2-Trichloroethane	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
1,1-Dichloroethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
1,1-Dichloroethylene	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
1,1-Dichloropropene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
1,2,3-Trichlorobenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
1,2,3-Trichloropropane	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
1,2,4-Trichlorobenzene	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
1,2,4-Trimethylbenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1	Synthetic Organic Contaminants	NELAP	1/8/2002
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 504.1	Synthetic Organic Contaminants	NELAP	1/8/2002
1,2-Dichlorobenzene	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
1,2-Dichloroethane	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
1,2-Dichloropropane	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
1,3,5-Trimethylbenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
1,3-Dichlorobenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
1,3-Dichloropropane	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
1,4-Dichlorobenzene	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
1,4-Dioxane (1,4-Diethyleneoxide)	EPA 522	Synthetic Organic Contaminants	NELAP	1/17/2014
2,2',3,3',4,5',6,6'-Octachlorobiphenyl (BZ 201)	EPA 525.2	Group I Unregulated Contaminants	NELAP	1/8/2002
2,2',3',4,6-Pentachlorobiphenyl (525.2 typo for 2,2',3,4',6'-Pentachlorobiphenyl)	EPA 525.2	Group I Unregulated Contaminants	NELAP	1/8/2002
2,2',4,4'-Tetrachlorobiphenyl (BZ 47)	EPA 525.2	Group I Unregulated Contaminants	NELAP	1/8/2002
2,2-Dichloropropane	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
2,4,5-T	EPA 515.3	Synthetic Organic Contaminants	NELAP	10/14/2004
2,4-D	EPA 515.3	Synthetic Organic Contaminants	NELAP	5/11/2004
2,4-DB	EPA 515.3	Synthetic Organic Contaminants	NELAP	10/14/2004
2-Chlorobiphenyl (BZ 1)	EPA 525.2	Group I Unregulated Contaminants	NELAP	1/8/2002
2-Chlorotoluene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
3-Hydroxycarbofuran	EPA 531.1	Group I Unregulated Contaminants	NELAP	1/8/2002
4-Chlorotoluene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
4-Isopropyltoluene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
Acetone	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/3/2012
Acfifuorfen	EPA 515.3	Group I Unregulated Contaminants	NELAP	5/11/2004
Alachlor	EPA 508.1	Synthetic Organic Contaminants	NELAP	1/8/2002

Clients and Customers are urged to verify the laboratory's current certification status with the Environmental Laboratory Certification Program.

Issue Date: 7/1/2017

Expiration Date: 6/30/2018



*Laboratory Scope of Accreditation*

Attachment to Certificate #: E83079-62, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E83079**

EPA Lab Code: **FL01264**

(386) 672-5668

**E83079**

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

Matrix: **Drinking Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Aldicarb (Temik)	EPA 531.1	Group I Unregulated Contaminants	NELAP	1/8/2002
Aldicarb sulfone	EPA 531.1	Group I Unregulated Contaminants	NELAP	1/8/2002
Aldicarb sulfoxide	EPA 531.1	Group I Unregulated Contaminants	NELAP	1/8/2002
Aldrin	EPA 525.2	Group I Unregulated Contaminants	NELAP	1/8/2002
Alkalinity as CaCO <sub>3</sub>	SM 2320 B	Primary Inorganic Contaminants	NELAP	1/8/2002
Aluminum	EPA 200.7	Secondary Inorganic Contaminants	NELAP	1/8/2002
Aluminum	EPA 200.8	Secondary Inorganic Contaminants	NELAP	1/8/2002
Antimony	EPA 200.8	Primary Inorganic Contaminants	NELAP	5/11/2004
Aroclor-1016 (PCB-1016)	EPA 508.1	Synthetic Organic Contaminants	NELAP	3/10/2010
Aroclor-1221 (PCB-1221)	EPA 508.1	Synthetic Organic Contaminants	NELAP	3/10/2010
Aroclor-1232 (PCB-1232)	EPA 508.1	Synthetic Organic Contaminants	NELAP	3/10/2010
Aroclor-1242 (PCB-1242)	EPA 508.1	Synthetic Organic Contaminants	NELAP	3/10/2010
Aroclor-1248 (PCB-1248)	EPA 508.1	Synthetic Organic Contaminants	NELAP	3/10/2010
Aroclor-1254 (PCB-1254)	EPA 508.1	Synthetic Organic Contaminants	NELAP	3/10/2010
Aroclor-1260 (PCB-1260)	EPA 508.1	Synthetic Organic Contaminants	NELAP	3/10/2010
Arsenic	EPA 200.7	Primary Inorganic Contaminants	NELAP	1/8/2002
Arsenic	EPA 200.8	Primary Inorganic Contaminants	NELAP	5/11/2004
Atrazine	EPA 508.1	Synthetic Organic Contaminants	NELAP	1/8/2002
Atrazine	EPA 525.2	Synthetic Organic Contaminants	NELAP	7/1/2016
Barium	EPA 200.7	Primary Inorganic Contaminants	NELAP	1/8/2002
Barium	EPA 200.8	Primary Inorganic Contaminants	NELAP	5/11/2004
Bentazon	EPA 515.3	Synthetic Organic Contaminants	NELAP	10/14/2004
Benzene	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
Benzo(a)pyrene	EPA 525.2	Synthetic Organic Contaminants	NELAP	1/8/2002
Beryllium	EPA 200.7	Primary Inorganic Contaminants	NELAP	1/8/2002
Beryllium	EPA 200.8	Primary Inorganic Contaminants	NELAP	5/11/2004
bis(2-Ethylhexyl) phthalate (DEHP)	EPA 525.2	Synthetic Organic Contaminants	NELAP	1/8/2002
Bromacil	EPA 525.2	Group I Unregulated Contaminants	NELAP	3/15/2013
Bromate	EPA 300.1	Primary Inorganic Contaminants	NELAP	5/11/2004
Bromide	EPA 300.0	Primary Inorganic Contaminants	NELAP	1/8/2002
Bromide	EPA 300.1	Primary Inorganic Contaminants	NELAP	5/11/2004
Bromoacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	8/14/2006
Bromoacetic acid	EPA 552.3	Group I Unregulated Contaminants	NELAP	7/1/2016
Bromobenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
Bromochloroacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	9/14/2010
Bromochloroacetic acid	EPA 552.3	Group I Unregulated Contaminants	NELAP	7/1/2016

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Issue Date: 7/1/2017

Expiration Date: 6/30/2018



*Laboratory Scope of Accreditation*

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State Laboratory ID: E83079

EPA Lab Code:

FL01264

(386) 672-5668

**E83079**

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

Matrix: Drinking Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Bromochloromethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
Bromodichloromethane	EPA 524.2	Group II Unregulated Contaminants, Other Regulated Contaminants	NELAP	1/8/2002
Bromoform	EPA 524.2	Group II Unregulated Contaminants, Other Regulated Contaminants	NELAP	1/8/2002
Butachlor	EPA 508.1	Group I Unregulated Contaminants	NELAP	1/8/2002
Butachlor	EPA 525.2	Group I Unregulated Contaminants	NELAP	1/8/2002
Butyl benzyl phthalate	EPA 525.2	Group III Unregulated Contaminants	NELAP	1/8/2002
Cadmium	EPA 200.7	Primary Inorganic Contaminants	NELAP	1/8/2002
Cadmium	EPA 200.8	Primary Inorganic Contaminants	NELAP	5/11/2004
Calcium	EPA 200.7	Primary Inorganic Contaminants	NELAP	1/8/2002
Carbaryl (Sevin)	EPA 531.1	Group I Unregulated Contaminants	NELAP	1/8/2002
Carbofuran (Furadan)	EPA 531.1	Synthetic Organic Contaminants	NELAP	1/8/2002
Carbon tetrachloride	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
Chlorate	EPA 300.1	Primary Inorganic Contaminants	NELAP	5/11/2004
Chlordane (tech.)	EPA 508.1	Synthetic Organic Contaminants	NELAP	1/8/2002
Chloride	EPA 300.0	Secondary Inorganic Contaminants	NELAP	1/8/2002
Chlorine	SM 4500-Cl D	Primary Inorganic Contaminants	NELAP	1/8/2002
Chlorine dioxide, res. disinfectant	SM 4500-ClO2 D	Primary Inorganic Contaminants	NELAP	10/14/2004
Chlorite	EPA 300.1	Primary Inorganic Contaminants	NELAP	5/11/2004
Chloroacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	8/14/2006
Chloroacetic acid	EPA 552.3	Group I Unregulated Contaminants	NELAP	7/1/2016
Chlorobenzene	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
Chloroethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
Chloroform	EPA 524.2	Other Regulated Contaminants, Group II Unregulated Contaminants	NELAP	1/8/2002
Chromium	EPA 200.7	Primary Inorganic Contaminants	NELAP	1/8/2002
Chromium	EPA 200.8	Primary Inorganic Contaminants	NELAP	5/11/2004
Chromium VI	EPA 218.6	Primary Inorganic Contaminants	NELAP	12/12/2012
Chromium VI	EPA 218.7	Primary Inorganic Contaminants	NELAP	12/12/2012
cis-1,2-Dichloroethylene	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
cis-1,3-Dichloropropene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
Cobalt	EPA 200.8	Primary Inorganic Contaminants	NELAP	12/12/2012
Color	SM 2120 B	Secondary Inorganic Contaminants	NELAP	1/8/2002
Conductivity	SM 2510 B	Primary Inorganic Contaminants	NELAP	1/8/2002

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Issue Date: 7/1/2017

Expiration Date: 6/30/2018



**Laboratory Scope of Accreditation**

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Attachment to Certificate #: E83079-62, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E83079**

EPA Lab Code: **FL01264**

(386) 672-5668

**E83079**

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

Matrix: **Drinking Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Copper	EPA 200.7	Primary Inorganic Contaminants, Secondary Inorganic Contaminants	NELAP	1/8/2002
Copper	EPA 200.8	Primary Inorganic Contaminants, Secondary Inorganic Contaminants	NELAP	5/11/2004
Corrosivity (langlier index)	SM 2330 B	Secondary Inorganic Contaminants	NELAP	1/8/2002
Cyanide	EPA 335.4	Primary Inorganic Contaminants	NELAP	1/8/2002
Dalapon	EPA 515.3	Synthetic Organic Contaminants	NELAP	5/11/2004
Di(2-ethylhexyl)adipate	EPA 525.2	Synthetic Organic Contaminants	NELAP	1/8/2002
Dibromoacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	8/14/2006
Dibromoacetic acid	EPA 552.3	Group I Unregulated Contaminants	NELAP	7/1/2016
Dibromochloromethane	EPA 524.2	Other Regulated Contaminants, Group II Unregulated Contaminants	NELAP	1/8/2002
Dibromomethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
Dicamba	EPA 515.3	Group I Unregulated Contaminants	NELAP	5/11/2004
Dichloroacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	8/14/2006
Dichloroacetic acid	EPA 552.3	Group I Unregulated Contaminants	NELAP	7/1/2016
Dichlorodifluoromethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
Dichloromethane (DCM, Methylene chloride)	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
Dichloroprop (Dichloroprop)	EPA 515.3	Synthetic Organic Contaminants	NELAP	10/14/2004
Dieldrin	EPA 508.1	Group I Unregulated Contaminants	NELAP	1/8/2002
Dieldrin	EPA 525.2	Group I Unregulated Contaminants	NELAP	1/8/2002
Diethyl phthalate	EPA 525.2	Group III Unregulated Contaminants	NELAP	1/8/2002
Dimethyl phthalate	EPA 525.2	Group III Unregulated Contaminants	NELAP	1/8/2002
Di-n-butyl phthalate	EPA 525.2	Group III Unregulated Contaminants	NELAP	1/8/2002
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 515.3	Synthetic Organic Contaminants	NELAP	5/11/2004
Diquat	EPA 549.2	Synthetic Organic Contaminants	NELAP	1/8/2002
Dissolved organic carbon (DOC)	SM 5310 B	Primary Inorganic Contaminants	NELAP	1/8/2002
Endothall	EPA 548.1	Synthetic Organic Contaminants	NELAP	1/3/2012
Endrin	EPA 508.1	Synthetic Organic Contaminants	NELAP	1/8/2002
Escherichia coli	COLISURE	Microbiology	NELAP	11/1/2011
Escherichia coli	SM 9223 B	Microbiology	NELAP	11/1/2011
Ethylbenzene	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
Fluorene	EPA 525.2	Group III Unregulated Contaminants	NELAP	1/8/2002
Fluoride	EPA 300.0	Primary Inorganic Contaminants, Secondary Inorganic Contaminants	NELAP	1/8/2002

Clients and Customers are urged to verify the laboratory's current certification status with the Environmental Laboratory Certification Program.

Issue Date: 7/1/2017

Expiration Date: 6/30/2018



**Laboratory Scope of Accreditation**

Attachment to Certificate #: E83079-62, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E83079**

EPA Lab Code:

**FL01264**

(386) 672-5668

**E83079**

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

Matrix: **Drinking Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 508.1	Synthetic Organic Contaminants	NELAP	1/8/2002
Glyphosate	EPA 547	Synthetic Organic Contaminants	NELAP	1/8/2002
Hardness	SM 2340 B	Secondary Inorganic Contaminants	NELAP	8/14/2006
Hardness (calc.)	EPA 200.7	Secondary Inorganic Contaminants	NELAP	8/14/2006
Heptachlor	EPA 508.1	Synthetic Organic Contaminants	NELAP	1/8/2002
Heptachlor epoxide	EPA 508.1	Synthetic Organic Contaminants	NELAP	1/8/2002
Heterotrophic plate count	SIMPLATE	Microbiology	NELAP	3/15/2013
Hexachlorobenzene	EPA 508.1	Synthetic Organic Contaminants	NELAP	1/8/2002
Hexachlorobutadiene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
Hexachlorocyclopentadiene	EPA 508.1	Synthetic Organic Contaminants	NELAP	1/8/2002
Indeno(1,2,3-cd)pyrene	EPA 525.2	Group III Unregulated Contaminants	NELAP	1/8/2002
Iron	EPA 200.7	Secondary Inorganic Contaminants	NELAP	1/8/2002
Isopropylbenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
Lead	EPA 200.8	Primary Inorganic Contaminants	NELAP	5/11/2004
m/p-Xylenes	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/3/2012
Magnesium	EPA 200.7	Primary Inorganic Contaminants	NELAP	1/8/2002
Manganese	EPA 200.7	Secondary Inorganic Contaminants	NELAP	1/8/2002
Manganese	EPA 200.8	Secondary Inorganic Contaminants	NELAP	5/11/2004
Mercury	EPA 245.1	Primary Inorganic Contaminants	NELAP	1/8/2002
Methiocarb (Mesurol)	EPA 531.1	Group I Unregulated Contaminants	NELAP	1/8/2002
Methomyl (Lannate)	EPA 531.1	Group I Unregulated Contaminants	NELAP	1/8/2002
Methoxychlor	EPA 508.1	Synthetic Organic Contaminants	NELAP	1/8/2002
Methyl bromide (Bromomethane)	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
Methyl chloride (Chloromethane)	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
Methyl tert-butyl ether (MTBE)	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
Metolachlor	EPA 508.1	Group I Unregulated Contaminants	NELAP	1/8/2002
Metolachlor	EPA 525.2	Group I Unregulated Contaminants	NELAP	1/8/2002
Metribuzin	EPA 525.2	Group I Unregulated Contaminants	NELAP	1/8/2002
Naphthalene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
n-Butylbenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
Nickel	EPA 200.7	Primary Inorganic Contaminants	NELAP	1/8/2002
Nickel	EPA 200.8	Primary Inorganic Contaminants	NELAP	5/11/2004
Nitrate	EPA 300.0	Primary Inorganic Contaminants	NELAP	1/8/2002
Nitrate	EPA 353.2	Primary Inorganic Contaminants	NELAP	1/8/2002
Nitrite	EPA 300.0	Primary Inorganic Contaminants	NELAP	1/8/2002
Nitrite	EPA 353.2	Primary Inorganic Contaminants	NELAP	1/8/2002

Clients and Customers are urged to verify the laboratory's current certification status with the Environmental Laboratory Certification Program.

Issue Date: 7/1/2017

Expiration Date: 6/30/2018



### Laboratory Scope of Accreditation

Attachment to Certificate #: E83079-62, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E83079

EPA Lab Code: FL01264

(386) 672-5668

**E83079**

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

Matrix: Drinking Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
n-Propylbenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
Odor	SM 2150 B	Secondary Inorganic Contaminants	NELAP	1/8/2002
Orthophosphate as P	EPA 300.0	Primary Inorganic Contaminants	NELAP	1/8/2002
Orthophosphate as P	EPA 365.1	Primary Inorganic Contaminants	NELAP	1/8/2002
Oxamyl	EPA 531.1	Synthetic Organic Contaminants	NELAP	1/8/2002
o-Xylene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/3/2012
Paraquat	EPA 549.2	Synthetic Organic Contaminants	NELAP	3/10/2010
PCBs	EPA 508.1	Synthetic Organic Contaminants	NELAP	1/8/2002
Pentachlorophenol	EPA 515.3	Synthetic Organic Contaminants	NELAP	5/11/2004
Perfluorobutane sulfonate (PFBS, perfluorobutane sulfonic acid)	EPA 537	Group III Unregulated Contaminants	NELAP	7/1/2016
Perfluoroheptanoate (PFHpA, perfluoroheptanoic acid)	EPA 537	Group III Unregulated Contaminants	NELAP	7/1/2016
Perfluorohexane sulfonate (PFHxS, perfluorohexane sulfonic acid)	EPA 537	Group III Unregulated Contaminants	NELAP	7/1/2016
Perflurononanoate (PFNA, perflurononanoic acid)	EPA 537	Group III Unregulated Contaminants	NELAP	7/1/2016
Perfluorooctane sulfonate (PFOS, perfluorooctane sulfonic acid)	EPA 537	Group III Unregulated Contaminants	NELAP	7/1/2016
Perfluorooctanoate (PFOA, perfluorooctanoic acid)	EPA 537	Group III Unregulated Contaminants	NELAP	7/1/2016
pH	SM 4500-H+	Secondary Inorganic Contaminants	NELAP	2/19/2008
Picloram	EPA 515.3	Synthetic Organic Contaminants	NELAP	5/11/2004
Potassium	EPA 200.7	Secondary Inorganic Contaminants	NELAP	10/18/2004
Propachlor (Ramrod)	EPA 508.1	Group I Unregulated Contaminants	NELAP	1/8/2002
Propachlor (Ramrod)	EPA 525.2	Group I Unregulated Contaminants	NELAP	1/8/2002
Pyrene	EPA 525.2	Group III Unregulated Contaminants	NELAP	1/8/2002
sec-Butylbenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
Selenium	EPA 200.8	Primary Inorganic Contaminants	NELAP	5/11/2004
Silica as SiO2	EPA 200.7	Primary Inorganic Contaminants	NELAP	12/12/2012
Silver	EPA 200.7	Secondary Inorganic Contaminants	NELAP	1/8/2002
Silver	EPA 200.8	Secondary Inorganic Contaminants	NELAP	5/11/2004
Silvex (2,4,5-TP)	EPA 515.3	Synthetic Organic Contaminants	NELAP	5/11/2004
Simazine	EPA 508.1	Synthetic Organic Contaminants	NELAP	1/8/2002
Sodium	EPA 200.7	Primary Inorganic Contaminants	NELAP	1/8/2002
Strontium	PACE SOP S-FL-M-004/ICP-MS	Secondary Inorganic Contaminants	NELAP	12/12/2012
Styrene	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
Sulfate	EPA 300.0	Primary Inorganic Contaminants, Secondary Inorganic Contaminants	NELAP	1/8/2002

Clients and Customers are urged to verify the laboratory's current certification status with the Environmental Laboratory Certification Program.

Issue Date: 7/1/2017

Expiration Date: 6/30/2018



### Laboratory Scope of Accreditation

Attachment to Certificate #: E83079-62, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E83079**

EPA Lab Code: **FL01264**

**(386) 672-5668**

**E83079**

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

Matrix: **Drinking Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Surfactants - MBAS	SM 5540 C	Secondary Inorganic Contaminants	NELAP	1/8/2002
tert-Butylbenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
Tetrachloroethylene (Perchloroethylene)	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
Thallium	EPA 200.8	Primary Inorganic Contaminants	NELAP	5/11/2004
Toluene	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
Total coliforms	COLISURE	Microbiology	NELAP	11/1/2011
Total coliforms	SM 9223 B	Microbiology	NELAP	11/1/2011
Total dissolved solids	SM 2540 C	Secondary Inorganic Contaminants	NELAP	1/8/2002
Total haloacetic acids (HAA5)	EPA 552.2	Synthetic Organic Contaminants	NELAP	8/14/2006
Total haloacetic acids (HAA5)	EPA 552.3	Synthetic Organic Contaminants	NELAP	7/1/2016
Total nitrate-nitrite	EPA 300.0	Primary Inorganic Contaminants	NELAP	1/8/2002
Total nitrate-nitrite	EPA 353.2	Primary Inorganic Contaminants	NELAP	1/8/2002
Total organic carbon	SM 5310 B	Primary Inorganic Contaminants	NELAP	1/8/2002
Total phenolics	EPA 420.4	Secondary Inorganic Contaminants	NELAP	1/8/2002
Total trihalomethanes	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
Toxaphene (Chlorinated camphene)	EPA 508.1	Synthetic Organic Contaminants	NELAP	1/8/2002
trans-1,2-Dichloroethylene	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
trans-1,3-Dichloropropene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
Trichloroacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	8/14/2006
Trichloroacetic acid	EPA 552.3	Group I Unregulated Contaminants	NELAP	7/1/2016
Trichloroethene (Trichloroethylene)	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
Trichlorofluoromethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
Turbidity	EPA 180.1	Secondary Inorganic Contaminants	NELAP	1/8/2002
Uranium	EPA 200.8	Radiochemistry	NELAP	12/12/2012
UV 254	SM 5910 B	Primary Inorganic Contaminants	NELAP	1/8/2002
Vinyl chloride	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
Xylene (total)	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
Zinc	EPA 200.7	Secondary Inorganic Contaminants	NELAP	1/8/2002
Zinc	EPA 200.8	Secondary Inorganic Contaminants	NELAP	5/11/2004

Clients and Customers are urged to verify the laboratory's current certification status with the Environmental Laboratory Certification Program.

Issue Date: 7/1/2017

Expiration Date: 6/30/2018



*Laboratory Scope of Accreditation*

Page 1 of 29

Attachment to Certificate #: E87688-47, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E87688

EPA Lab Code: OH00923

(330) 253-8211

E87688

Summit Environmental Technologies, Inc.  
3310 Win Street  
Cuyahoga Falls, OH 44223

Matrix: Drinking Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
2,3,7,8-TCDD (Dioxin, 2,3,7,8-Tetrachlorodibenzo-p-dioxin)	EPA 1613	Dioxin	NELAP	10/28/2005
Alkalinity as CaCO <sub>3</sub>	SM 2320 B	Primary Inorganic Contaminants	NELAP	8/18/2008
Aluminum	EPA 200.7	Secondary Inorganic Contaminants	NELAP	8/18/2008
Aluminum	EPA 200.8	Secondary Inorganic Contaminants	NELAP	7/1/2010
Amenable cyanide	SM 4500-CN- G	Primary Inorganic Contaminants	NELAP	8/18/2008
Antimony	EPA 200.7	Primary Inorganic Contaminants	NELAP	11/25/2008
Antimony	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/1/2010
Arsenic	EPA 200.7	Primary Inorganic Contaminants	NELAP	8/18/2008
Arsenic	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/1/2010
Barium	EPA 200.7	Primary Inorganic Contaminants	NELAP	8/18/2008
Barium	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/1/2010
Beryllium	EPA 200.7	Primary Inorganic Contaminants	NELAP	8/18/2008
Beryllium	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/1/2010
Boron	EPA 200.7	Secondary Inorganic Contaminants	NELAP	8/18/2008
Bromate	EPA 300.1	Primary Inorganic Contaminants	NELAP	8/18/2008
Bromide	EPA 300.0	Primary Inorganic Contaminants	NELAP	11/25/2008
Bromide	EPA 300.1	Primary Inorganic Contaminants	NELAP	8/18/2008
Cadmium	EPA 200.7	Primary Inorganic Contaminants	NELAP	8/18/2008
Cadmium	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/1/2010
Calcium	EPA 200.7	Primary Inorganic Contaminants	NELAP	8/18/2008
Chlorate	EPA 300.1	Secondary Inorganic Contaminants	NELAP	8/18/2008
Chloride	EPA 300.0	Secondary Inorganic Contaminants	NELAP	11/25/2008
Chlorite	EPA 300.1	Primary Inorganic Contaminants	NELAP	8/18/2008
Chromium	EPA 200.7	Primary Inorganic Contaminants	NELAP	8/18/2008
Chromium	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/1/2010
Color	SM 2120 B	Secondary Inorganic Contaminants	NELAP	7/1/2010
Conductivity	SM 2510 B	Primary Inorganic Contaminants	NELAP	8/18/2008
Copper	EPA 200.7	Primary Inorganic Contaminants, Secondary Inorganic Contaminants	NELAP	8/18/2008
Copper	EPA 200.8	Primary Inorganic Contaminants, Secondary Inorganic Contaminants	NELAP	7/1/2010
Corrosivity (langlier index)	SM 2330 B	Secondary Inorganic Contaminants	NELAP	8/18/2008
Dissolved organic carbon (DOC)	SM 5310 B	Primary Inorganic Contaminants	NELAP	3/7/2014
Fluoride	EPA 300.0	Primary Inorganic Contaminants	NELAP	8/18/2008
Gross-alpha	EPA 900.0	Radiochemistry	NELAP	8/31/2009

Clients and Customers are urged to verify the laboratory's current certification status with the Environmental Laboratory Certification Program.

Issue Date: 7/1/2017

Expiration Date: 6/30/2018

**Attachment 3. 2018 Finished Water Quality**



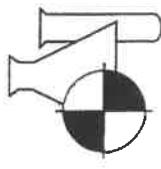
# BENCHMARK

*EnviroAnalytical Inc.*

FDOH Certification #E84167

Peace River/Manasota R W S  
8998 Sw County Road 769  
Arcadia, FL 34269

Sam Stone



## ANALYTICAL TEST REPORT THESE RESULTS MEET NELAC STANDARDS

REPORT NUMBER: 18070342 - 001

SYSTEM NAME: Finish Water (Lab Tap)

SYSTEM ID:

PARAMETER ID	PARAMETER NAME	MCL	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
	TEMPERATURE	DEG C.	30.6	170.1			0.1	07/11/2018	09:50	P R RWS
	TURBIDITY	NTU	0.39	180.1			0.11	07/11/2018	09:50	P R RWS
	OXIDATION REDUCTION POTENTIAL	M.V	419.4	ORP			-439	07/11/2018	09:50	P R RWS
	SPECIFIC CONDUCTANCE, FIELD	UMHOS/CM	490	SM2510B			1.24	07/11/2018	09:50	P R RWS
	DISSOLVED OXYGEN	MG/L	7.85	SM4500-O-C			0.05	07/11/2018	09:50	P R RWS
	PH, FIELD	6.5-8.5	UNITS	8.23	SM4500H+B			07/11/2018	09:50	P R RWS

REPORT NUMBER: 18070342 - 001

SYSTEM NAME: Finish Water (Lab Tap)

SYSTEM ID:

## INORGANIC ANALYSIS 62-550.310 (1)

PARAMETER ID	PARAMETER NAME	MCL	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
1040	NITRATE NITROGEN	10	MG/L	0.069	I		300.0	0.020	07/11/2018	19:38
1041	NITRITE NITROGEN	1.0	MG/L	0.020	U		300.0	0.020	07/11/2018	19:38
1038	NITRATE+NITRITE AS N	10	MG/L	0.089	I		300.0	0.020	07/11/2018	19:38
1084	ASBESTOS	MFL	0.12	U			100.2	0.12	07/12/2018	15:12
1005	ARSENIC	0.010	MG/L	0.00069	U		SM3113B	0.00069	07/20/2018	11:08
1010	BARIUM	2	MG/L	0.014			200.7	0.002	07/12/2018	13:13
1015	CADMIUM	0.005	MG/L	0.0009	U		200.7	0.0009	07/12/2018	13:13

**INORGANIC ANALYSIS**  
62-550.310 (1)

**REPORT NUMBER:** 18070342 - 001

**SYSTEM NAME:** Finish Water (Lab Tap)

**SYSTEM ID:**

PARAMETER ID	PARAMETER NAME	MCL	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
1020	CHROMIUM	0.1	Mg/L	0.002	U	200.7	0.002	07/12/2018	13:13	E84167
1024	CYANIDE	0.2	Mg/L	0.005	U	335.4	0.005	07/13/2018	13:38	E84167
1025	FLUORIDE	4.0	Mg/L	0.130	U	300.0	0.030	07/14/2018	08:27	E84167
1030	LEAD	0.016	Mg/L	0.00067	U	SM3113B	0.00067	07/13/2018	15:28	E84167
1035	MERCURY	0.002	Mg/L	0.000198	U	245.1	0.000198	07/21/2018	10:09	E84167
1036	NICKEL	0.1	Mg/L	0.00118	U	200.7	0.00118	07/12/2018	13:13	E84167
1045	SELENIUM	0.05	Mg/L	0.00157	U	SM3113B	0.00157	07/13/2018	10:34	E84167
1052	SODIUM	160	Mg/L	45.3	U	200.7	0.034	07/12/2018	13:13	E84167
1074	ANTIMONY	0.006	Mg/L	0.00226	U	SM3113B	0.00226	07/20/2018	17:23	E84167
1075	BERYLLIUM	0.004	Mg/L	0.000078	U	200.7	0.000078	07/12/2018	13:13	E84167
1085	THALLIUM	0.002	Mg/L	0.000981	U	200.9	0.000981	07/12/2018	13:49	E84167

**VOLATILE ORGANICS**  
62-550.310 (4) (a)

**REPORT NUMBER:** 18070342 - 001  
**SYSTEM NAME:** Finish Water (Lab Tap)  
**SYSTEM ID:**

PARAMETER ID	PARAMETER NAME	MCL	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
2378	1,2,4-TRICHLOROBENZENE	70	ug/L	0.5	U	524.2	0.5	07/13/2018	15:33	E84167
2380	CIS-1,2-DICHLOROETHENE	70	ug/L	0.5	U	524.2	0.5	07/13/2018	15:33	E84167
2955	XYLENES	10000	ug/L	0.5	U	524.2	0.5	07/13/2018	15:33	E84167
2964	METHYLENE CHLORIDE	5	ug/L	0.5	U	524.2	0.5	07/13/2018	15:33	E84167
2968	O-DICHLOROBENZENE	600	ug/L	0.5	U	524.2	0.5	07/14/2018	15:33	E84167
2969	PARA-DICHLOROBENZENE	75	ug/L	0.5	U	524.2	0.5	07/13/2018	15:33	E84167
2876	VINYL CHLORIDE	1	ug/L	0.5	U	524.2	0.5	07/13/2018	15:33	E84167
2977	1,1-DICHLOROETHENE	7	ug/L	0.5	U	524.2	0.5	07/13/2018	15:33	E84167
2979	TRANS-1,2-DICHLOROETHENE	100	ug/L	0.5	U	524.2	0.5	07/13/2018	15:33	E84167
2980	1,2-DICHLOROETHANE	3	ug/L	0.5	U	524.2	0.5	07/13/2018	15:33	E84167
2981	1,1,1-TRICHLOROETHANE	200	ug/L	0.5	U	524.2	0.5	07/13/2018	15:33	E84167
2982	CARBON TETRACHLORIDE	3	ug/L	0.5	U	524.2	0.5	07/13/2018	15:33	E84167
2983	1,2-DICHLOROPROPANE	5	ug/L	0.5	U	524.2	0.5	07/13/2018	15:33	E84167
2984	TRICHLOROETHENE	3	ug/L	0.5	U	524.2	0.5	07/13/2018	15:33	E84167

**VOLATILE ORGANICS**  
62-550.310 (4) (a)

REPORT NUMBER: 18070342 - 001  
SYSTEM NAME: Finish Water (Lab Tap)  
SYSTEM ID:

PARAMETER ID	PARAMETER NAME	MCL	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
2985	1,1,2-TRICHLOROETHANE	5	UG/L	0.6	U	524.2	0.5	07/13/2018	15:33	E84167
2987	TETRACHLOROETHENE	3	UG/L	0.5	U	524.2	0.5	07/13/2018	15:33	E84167
2989	MONOCHLOROBENZENE	100	UG/L	0.5	U	524.2	0.5	07/13/2018	15:33	E84167
2990	BENZENE	1	UG/L	0.5	U	524.2	0.5	07/13/2018	15:33	E84167
2991	TOLUENE	1000	UG/L	0.5	U	524.2	0.5	07/13/2018	15:33	E84167
2992	ETHYLBENZENE	700	UG/L	0.5	U	524.2	0.5	07/13/2018	15:33	E84167
2996	STYRENE	100	UG/L	0.5	U	524.2	0.5	07/13/2018	15:33	E84167

**SYNTHETIC ORGANICS**  
62-550.310 (4) (b)

REPORT NUMBER: 18070342 - 001  
SYSTEM NAME: Finish Water (Lab Tap)  
SYSTEM ID:

PARAMETER ID	PARAMETER NAME	MCL	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
2005	ENDRIN	2.0	UG/L	0.0067	U	508.1	0.0067	07/17/2018	03:39	E83079
2010	GAMMA-BHC (LINDANE)	0.2	UG/L	0.0028	U	508.1	0.0029	07/17/2018	03:39	E83079
2015	METHOXYCHLOR	40	UG/L	0.0860	U	508.1	0.0860	07/17/2018	03:39	E83079
2020	TOXAPHENE	3.0	UG/L	0.5800	U	508.1	0.5800	07/17/2018	03:39	E83079
2031	DALAPON	200	UG/L	0.8900	U	515.3	0.8900	07/17/2018	19:29	E83079
2032	DIQUAT	20	UG/L	0.3000	U	549.2	0.3000	07/13/2018	14:50	E83079
2033	ENDOTHALL	100	UG/L	4.3000	U	548.1	4.3000	07/18/2018	10:16	E83079
2034	GLYPHOSATE	700	UG/L	4.2000	U	547	4.2000	07/17/2018	22:35	E83079
2035	BIS(2-ETHYLHEXYL)ADIPATE	400	UG/L	0.3700	U	525.2	0.3700	07/19/2018	16:17	E83079
2036	OXAMYL	200	UG/L	0.27	U	531.1	0.27	07/17/2018	09:58	E87610
2037	SIMAZINE	4.0	UG/L	0.0660	U	508.1	0.0660	07/17/2018	03:39	E83079
2039	BIS(2-ETHYLHEXYL)PHTHALATE	6.0	UG/L	0.4800	U	525.2	0.4800	07/19/2018	16:17	E83079
2040	PICLORAM	500	UG/L	0.0840	U	515.3	0.0840	07/17/2018	19:29	E83079
2041	DINOSEB	7.0	UG/L	0.1600	U	515.3	0.1600	07/17/2018	19:29	E83079
2042	HEXACHLOROCYCLOPENTADIENE	50	UG/L	0.0310	U	508.1	0.0310	07/17/2018	03:39	E83079
2046	CARBOFURAN	40	UG/L	0.19	U	531.1	0.19	07/17/2018	09:58	E87610
2050	ATRAZINE	3.0	UG/L	0.0760	U	525.2	0.0760	07/19/2018	16:17	E83079
2051	ALACHLOR	2	UG/L	0.0340	U	508.1	0.0340	07/17/2018	03:39	E83079

**SYNTHETIC ORGANICS**  
62-550.310 (4) (b)

REPORT NUMBER: 18070342 - 001  
SYSTEM NAME: Finish Water (Lab Tap)  
SYSTEM ID:

PARAMETER ID	PARAMETER NAME	MCL	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
2063	2,3,7,8-TCDD	PG/L	1.97	U		1613B	1.97	07/19/2018		E87688
2065	HEPTACHLOR	0.4	UG/L	0.0120	U	508.1	0.0120	07/17/2018	03:39	E83079
2067	HEPTACHLOR EPOXIDE	0.2	UG/L	0.0029	U	508.1	0.0028	07/17/2018	03:39	E83079
2105	2,4-D	70	UG/L	0.0810	U	515.3	0.0810	07/17/2018	19:29	E83079
2110	2,4,5-TP (SILVE)	50	UG/L	0.1600	U	515.3	0.1600	07/17/2018	19:29	E83079
2274	HEXAChLOROBENZENE	1.0	UG/L	0.0180	U	508.1	0.0180	07/17/2018	03:39	E83079
2308	BENZO(A)PYRENE	0.2	UG/L	0.0120	U	525.2	0.0120	07/19/2018	16:17	E83079
2328	PENTACHLOROPHENOL	1.0	UG/L	0.0300	U	515.3	0.0300	07/17/2018	19:29	E83079
2383	PCB, TOTAL	0.5	UG/L	0.0770	U	508.1	0.0770	07/17/2018	03:39	E83079
2931	1,2-DIBROMO-3-CHLOROPROPANE	0.20	UG/L	0.014	U	504.1	0.014	07/11/2018	17:53	E84167
2946	ETHYLENE DIBROMIDE	0.02	UG/L	0.01	U	504.1	0.01	07/11/2018	17:53	E84167
2959	CHLORDANE (TECHNICAL)	2.0	UG/L	0.0450	U	508.1	0.0450	07/17/2018	03:39	E83079

**RADIONUCLIDES**  
62-550.310 (6)

REPORT NUMBER: 18070342 - 001  
SYSTEM NAME: Finish Water (Lab Tap)  
SYSTEM ID:

PARAMETER ID	PARAMETER NAME	MCL	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
4002	GROSS ALPHA (INCL URANIUM)	15	PC/L	1.94+/-1.4	U	900.0	1.9	07/25/2018	06:38	E83033
4006	URANIUM	20	PC/L	0.5+/-0.3	U	908.0	0.5	08/01/2018	06:48	E83033
4006	URANIUM	30	UG/L	0.75+/-0.45	U	CALC	0.75	08/01/2018	06:48	E83033
4020	RADIUM-226	5	PC/L	0.3+/-0.2		903.1	0.2	07/26/2018	14:07	E83033
4030	RADIUM-228	5	PC/L	0.7+/-0.5	U	Ra-05	0.7	07/25/2018	11:14	E83033

**SECONDARY CONTAMINANTS**  
62-550.320

REPORT NUMBER: 18070342 - 001  
SYSTEM NAME: Finish Water (Lab Tap)  
SYSTEM ID:

PARAMETER ID	PARAMETER NAME	MCL	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
	COLOR PH		UNITS	7.95		SM4600H+B		07/11/2018	16:29	E84167

## SECONDARY CONTAMINANTS

REPORT NUMBER: 18070342 - 001

SYSTEM NAME: Finish Water (Lab Tap)

SYSTEM ID:

PARAMETER ID	PARAMETER NAME	MCL	UNITS	ANALYSIS RESULT	QUALIFIER	ANALYTICAL METHOD	MDL	ANALYSIS DATE	ANALYSIS TIME	LAB ID
1002	ALUMINUM	0.2	MG/L	0.065	-	200.7	0.023	07/12/2018	13:13	E84167
1017	CHLORIDE	250	MG/L	33.6		300.0	0.353	07/13/2018	18:04	E84167
1022	COPPER	1	MG/L	0.004	U	200.7	0.004	07/12/2018	13:13	E84167
1025	FLUORIDE	2.0	MG/L	0.130		300.0	0.030	07/14/2018	09:27	E84167
1028	IRON	0.3	MG/L	0.028	U	200.7	0.029	07/12/2018	13:13	E84167
1032	MANGANESE	0.05	MG/L	0.005		200.7	0.00098	07/12/2018	13:13	E84167
1050	SILVER	0.1	MG/L	0.0005	U	200.7	0.0005	07/12/2018	13:13	E84167
1055	SULFATE	250	MG/L	129		300.0	0.339	07/13/2018	18:04	E84167
1095	ZINC	5	MG/L	0.002	-	200.7	0.0014	07/12/2018	13:13	E84167
1905	COLOR APPARENT	15	PCU	2.5.		SM2120B	2.5	07/11/2018	16:29	E84167
1920	ODOR	3	TON	1	U	140.1	1	07/11/2018	14:10	E84167
1925	PH	6.5-8.5	UNITS	7.97	Q	SM4500H+B		07/11/2018	16:07	E84167
1930	TOTAL DISSOLVED SOLIDS	500	MG/L	312		SM2540C	7.26	07/12/2018	14:59	E84167
2905	SURFACTANTS	0.5	MG/L	0.03	U	SM5540C	0.03	07/11/2018	15:31	E84167

### DATA QUALIFIERS THAT MAY APPLY:

I = Reported value is between the laboratory MDL and the PQL.

J = Estimated value.

J3 = Estimated value. Quality control criteria for precision or accuracy not met.

J4 = Estimated value. Sample matrix interference suspected.

Q = Sample held beyond accepted hold time.

U = Analyte analyzed but not detected at the value indicated.

V = Analyte detected in sample and method blank. Results for this analyte in associated samples may be biased high.

Y = Standard, Duplicate, and Spike values are within control limits. Reported data are usable.

Y = Analysis performed on an improperly preserved sample. Data may be inaccurate.

### NOTES:

PQL = 4 x MDL.

ND = Not detected at or above adjusted reporting limit.

MBAS calculated as LAS; molecular weight = 340.

X = Value exceeds MCL.

For questions or comments regarding these results, please contact us at (941)723-9986.  
*Results relate only to the samples.*

**Benchmark EnviroAnalytical, Inc.**

1711 Twelfth Street East  
Palmetto, FL 34221  
(941) 723-9986  
(941) 723-6061 fax

**Client: Peace River RWS**  
8998 S. W. Country Rd  
Arcadia, FL 34269  
(863) 491-7567  
(863) 491-7569 (Fax)

**Chain of Custody Form: ASR System Finished Water (Recharge – Annual – July - August)  
Sample Matrix<sup>2</sup>: DW**

Sample ID	Sh. As., Ba, Be, Cd, Cr, Cu, Pb, Hg, Ni, Se, Na, Tl, Al, Fe, Mn, Ag, Zn	CN	Gross α-Radium-226 & 228 Total Uranium	Dioxin	Asbestos	VOCs ***	Laboratory Submission #:						
							SOC's (Pesticides and PCB's)♦			Diquat 549.2			
							Pesticides 508, 608	Herbicides 515.3	Semivolatiles 525.2	Glyphosate 547			
							Carabamates 531.1		Na <sub>2</sub> O, 1:1 HCl*	Na <sub>2</sub> O, 1:1 HCl*	Na <sub>2</sub> O, 1:1 HCl*		
	1: 4 HNO <sub>3</sub> , pH<2	NaOH pH>2	1:4 HNO <sub>3</sub> , pH<2	Plain	Plain		Na <sub>2</sub> O <sub>3</sub> , Na <sub>2</sub> SO <sub>3</sub>	Na <sub>2</sub> O, 1:1 HCl*					
	1 x 1 Quart Plastic	1 x ½ Pint Plastic	2 x 2 Quart Plastic	2 x 1 Quart Plastic	1 x 1 Quart Plastic		3 x 40mL Glass Vials**	2 x 40mL Glass Vials	1 x 250mL Glass Vials	2 x 40mL Glass Vials	1 x 250mL Glass Vials	1 x 1 Liter Plastic	
Finished Water (Lab Tap)	Date & Time	7/11/18	0950										1

\*\*\*VOC's that are Chlorinated have to be preserved with both NaThio and HCl,

Add entire vial of HCl/H<sub>2</sub>SO<sub>4</sub> to sample.

\*\*Fill all 3 Vials Full, no head space, sample can not have any air bubbles. Fill bottle half full with sample, then add 3 drops of HCl,  
\*\*\*\*Ok to run pH out of hold time.

- ♦ Check with Dr Dale Dixon (Benchmark EA Lab Director) regarding Dilution Requirements.

**Chlorine residual at time of collection: 4.1 total**

**Temperature at time of collection: 30.6**

**Turbidity at time of collection: 0.39 NTU**

"Sample Type" is used to indicate whether the sample was a grab (G) or whether it was a composite (C).

"Sample Matrix" is used to indicate whether the sample is being discharged to drinking water (DW), surface water (SW), soil, sediment (SDW/INT) or sludge (SLDG).

"Container Type" is used to indicate whether the container is plastic (P) or glass (G).  
"Liner" Preservative: "Is any preservatives that were added to the sample container.

**Instructions:**

- Each bottle has a label identifying sample ID, premeasured preservative contained in the bottle, sample type, client ID, and parameters for analysis
- The following information should be added to each bottle label after collection with permanent black ink date and time of collection, sampler's name or initials, and any field number or ID.
- All bottles not containing preservative may be rinsed with appropriate sample prior to collection
- The client is responsible for documentation of the sampling event. Please note special sampling events on the sample custody form

1 Collected & Relinquished By	Date: 7/11/18	Time: 1103	Received By: JH	Date: 7/11/18	Time: 1103	Received By: JH	Date: 7/11/18	Time: 1355	Received By: JH	Date: 7/11/18	Time: 1355	Received By: JH	Date: 7/11/18	Time: 1355	Received By: JH
2 Relinquished By															
3 Relinquished By															
4 Relinquished By															
5 Relinquished By															



PROJECT: Finish Water  
STATUS: MONTHLY

Regional Water Supply Authority

Peace River Regional Water  
Supply Authority  
6998 SW County Road 769  
Arcadia, FL 34269  
Phone: 863-993-4565

Sample Description

Date / Time

pH (s.u.)

Temperature (°C)

Cond. ( $\mu\text{mhos}$ )

ORP

Dissolved Oxygen (mg/L)

Turbidity (ntu's)

Finish Water 7/11/18 0952 8.23 30.6 490 419.4 7.85 0.39

Notes:

Signature of collector / Date and Time: J. M. 26 7/11/18 0950

Lab Submission Number: 1807004

Page 1 of 1 page(s)

Company: Beuchimark Environmental Analytical, Inc.		City: 1711 12th Street East	
EMSL-Bill to: <input type="checkbox"/> Same <input checked="" type="checkbox"/> Different		State/Province: FL	
Telephone#: 941-723-9986		Report To (Name): Beuchimark Environmental Analytical, Inc.	
Fax #: 941-723-6061		Email Address: Beuchimark@beuchimark.net	
Third Party Billing requires written authorization from third party to bill to us. Different note instructions in comments..		Comments	
Street: 1711 12th Street East		City: Palmetto	
Zip/Postal Code: 34211		State/Prov: FL	
Telephone#: 941-723-9986		Project Name/Number: 8070342	
Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email Purchase Order		U.S. State Samples Taken: FL	
Turnaround Time (AT) Options - Please Check		PCM - Air	
TEM - Dust		NIOSH 7400	
Microcova - ASTM D 5755		AHERA 40 CFR, Part 763	
Wipe - ASTM D6480		NIOSH 7402	
PLM - Bulk (Reporting limit)		EPA Level II	
Soil/Rock/Emulsion		ISO 10312	
PLM - EPA 600/R-93/116 (<1%)		PLM - EPA NOB (1%)	
Point Count w/Gravimetric		NYS NQB 1984 (non-triable-NY)	
PLM CARRB 435 - B (0.1% sensitivity)		TEM CARRB 435 - B (0.1% sensitivity)	
PLM CARRB 435 - A (0.25% sensitivity)		TEM CARRB 435 - C (0.01% sensitivity)	
TEM - Bulk		TEM Mass Analysis-EPA 600 sec. 2.5	
PLM CARRB 435 - A (0.25% sensitivity)		TEM - Water-EPA 100.2	
TEM CARRB 435 - C (0.01% sensitivity)		EPA Protocol (Semi-Quantitative)	
NYS 198.1 (triable in NY)		Fibers >10pm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	
400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)		All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	
Point Count w/Gravimetric		NYS 198.6 NOB (non-triable-NY)	
PLM CARRB 435 - B (0.1% sensitivity)		NOOSH 9002 (<1%)	
TEM - Bulk		Check For Positive Stop - Clearly Identify Homogeneous Group	
Samples Name: Client		Samples Signature: _____	
Sample #		Sample Description	
18070342-1		Finished Water (Lab Tap)	
07/11/18 @ 0950		Date: 07/11/18	
1		Total # of Samples:	
		Received (Lab): 9-25-18	
		Date: 07/11/18	
		Time: 1600	
		Comments/Special Instructions: Email invoice to: Invocite@beuchimark.net	

FAX: 407-599-9063  
PHONE 407-599-5887  
101 N. INDO, FL 32803  
103 PARKER AVENUE, INC.  
WISCONSIN AVENUE, INC.

EMSL Order Number (Lab Use Only):

OrderID: 341809107

BRUCE ANNALETTIC, INC.  
LAW OFFICES OF BRUCE ANNALETTIC, INC.





Benchmark EnviroAnalytical, Inc.  
 1711 12<sup>th</sup> Street East  
 Palmetto, FL 34221  
 (941) 722-9986  
 (941) 722-6061 fax  
[www.Benchmarkken.com](http://www.Benchmarkken.com)



### INTERLABORATORY SAMPLE TRANSMITTAL FORM

Date:	07/13/18
# of Samples:	1
Total # of Bottles:	12
Method of Shipment:	Hand Delivery
Subcontract Laboratory:	Pittsford - Page Analytical Services Inc., Elst Tower Circle, Ormond Beach, FL 32173 Miller Valders, 1-800-966-5668.
Page	1 of 1

Laboratory Submission #	Collection Date	Collection Time	Sample Matrix*	Collection Method**	Preservative	Container	Parameters	Comments	
						QTY	Capacity	Type***	
18070342-1	07/13/18	0950	DW	Grab	MCAA, NaOH NaSO <sub>4</sub> 1:1 HCl pH<2	2	40mL	G	Carbamates (5YR) Pesticides (508608)
					Na <sub>2</sub> SO <sub>4</sub>	1	250mL	G	Herbicides (5153)
					Na <sub>2</sub> SO <sub>4</sub> 1:1 HCl pH<2	2	1 L	G	Semivolatiles (3252) (Including Atrazine)
					Na <sub>2</sub> SO <sub>4</sub>	2	40mL	G	pH verified @ BEA Glyphosate (547)
					Na <sub>2</sub> SO <sub>4</sub>	2	250mL	G	Endothall (54811)
					NaOH 1:4 H <sub>2</sub> SO <sub>4</sub> pH<2	1	1 L	P	Diquat (5492)
									*Do NOT Dilute sample, Call Dale Dixon for OK first!

Checked against COC & Method Requirements: Dale Dixon, Lab. Director  
 \* Sample Matrix abbreviations: Groundwater (GW), Surface Water (SW), Fresh Surface Water (FSW), Drinking Water (DW), Sediment (Sed), Soil (Soil), Domestic Effluent (Dom. Eff), Industrial Effluent (Ind. Eff).  
 \*\* Sample Method Abbreviations: Grab (Q), Composite (C), 24-hour Composite (24H Comp.).  
 \*\*\* Container Type abbreviations: Plastic (Plastic), Glass (Glass).

Released/Received By: (Benchmark)	Print Name: <i>Amith Jaisen</i>	Date: 07/12/18	Received By: <i>R. A. Jones</i>	Date: 7/14/18
Released/Received By: (Benchmark)	Print Name: <i>R. A. Jones</i>	Date: 7/12/18	Received By: <i>Uncleow Page</i>	Date: 7/12/18

T 203  
2.8

Chain of Custody

**ENCO**  
**Cary, NC**

**Workorder#:** 18970348      **Workorder Name:** 38403548  
**Customer Name:** Daniel Barrett      **Phone:** (813) 981-9401  
**Address:** 1000 South Bayview Blvd.,  
Oldsmar, FL 34677  
**Email:** daniel.barrett@pacalgs.com

Thursday, July 12, 2018 10:26:44 AM

## INTERLABORATORY SAMPLE TRANSMITTAL FORM

Benchmark EnviroAnalytical, Inc.  
 1711 12<sup>th</sup> Street East  
 Palmetto, FL 34221  
 (941) 723-9986  
 (941) 723-6061 fax  
[WWW.BenchmarkEnviro.com](http://WWW.BenchmarkEnviro.com)  
 Office QC Check: \_\_\_\_\_  
 Bottle Check: \_\_\_\_\_

Date:	07/12/18	# of Samples:	1	Total # of Bottles:	2
Method of Shipment:	UPS - 2 Day Air				
Subcontract Laboratory:	Summit Environmental 3310 Win Street Cuyahoga Falls, Ohio. 44223 (330) 253-8211				
Page	1	of	1	Comments	
Sample Matrix	Collection Date	Time	Preservative	Container Type	Parameters
Laboratory Submission #	07/11/18	0950	DW	G	Plain
				2	950mL
					G
					Dioxin
16070721-001-US					

1 Sample Matrix abbreviations: Groundwater (GW), Surface Water (SW), Drinking Water (DW), Sludge (Slag), Solid (Sol), Soil (Soil), Domestic Effluent (Dom Eff), Industrial Effluent (Ind Eff)

2 Sample Method abbreviations: Grab (G), Composite (C)

3 Container Type abbreviations: Plastic (P), Glass (G)

Relinquished Sign Name: Annak Jensen

Date: 07/11/18 Received

By: \_\_\_\_\_

Print Name: Annah Jensen

Date: 07/11/18

Received By: \_\_\_\_\_

Date: 07/12/18

By: \_\_\_\_\_

Print Name: ✓

Date: 07/13/18

Received By: \_\_\_\_\_

Date: 07/13/18

By: \_\_\_\_\_

Print Name: ✓

Date: 07/13/18

Received By: \_\_\_\_\_

Date: 07/13/18

By: \_\_\_\_\_

UPS Book 4.1 (a)  
(cont'd)

# Florida Department of Environmental Protection Safe Drinking Water Program Laboratory Reporting Format

**LABORATORY CERTIFICATION INFORMATION** (to be completed by lab – please type or print legibly)

Lab Name: Benchmark EnviroAnalytical, Inc Florida DOH Certification #: E84167 Certification Expiration Date: 06/30/2019

Address: 1711 12<sup>th</sup> Street East, Palmetto, FL 34221

ATTACH CURRENT DOH ANALYTE SHEET\*

Phone #: 941-723-9986

Were any analyses subcontracted?  Yes  No If yes, please provide DOH certification number(s): E83033, E83079, E87610

ATTACH DOH ANALYTE SHEET FOR EACH SUBCONTRACTED LAB\*

**ANALYSIS INFORMATION** (to be completed by lab)

Date Sample(s) Received: 07/11/18

PWS ID (From Page 1):

Sample Number (From Page 1):

Lab Assigned Report # or Job ID: 18070342-001

Group(s) Analyzed & Results attached for compliance with Chapter 62-550, F.A.C. (Check all that apply):

- |   |  |                                   |   |   |  |
|---|--|-----------------------------------|---|---|--|
| <u>Inorganics</u>                                       | <u>Synthetic Organics</u>                  | <u>Disinfection Byproducts</u>    | <u>Radionuclides</u>                      | <u>Secondaries</u>                                | <u>Others</u>                              |
| <input checked="" type="checkbox"/> All Except Asbestos | <input checked="" type="checkbox"/> All 30 | <input type="checkbox"/> All 21   | <input type="checkbox"/> Trihalomethanes  | <input checked="" type="checkbox"/> Single Sample | <input checked="" type="checkbox"/> All 14 |
| <input type="checkbox"/> Partial                        | <input type="checkbox"/> All Except Dioxin | <input type="checkbox"/> Partial  | <input type="checkbox"/> Haloacetic Acids | <input type="checkbox"/> Qtrly Composite**        | <input type="checkbox"/> Partial           |
| <input type="checkbox"/> Nitrate                        | <input type="checkbox"/> Partial           | <input type="checkbox"/> Chlorite | <input type="checkbox"/> Bromate          |   |  |
| <input type="checkbox"/> Nitrite                        | <input type="checkbox"/> Dioxin Only       |                                   |   |   |  |
| <input type="checkbox"/> Asbestos                       |  |                                   |   |   |  |

## LAB CERTIFICATION

I, Dale D. Dixon / Tilay Tanrisever / Michael Graves, Lab Director / QC Officer / QC Officer, do HEREBY CERTIFY

(Print Name) (Print Title)

that all attached analytical data are correct and unless noted meet all requirements of the National Environmental Laboratory Accreditation Conference (NELAC).

Signature: Tilay Dixon

Date: 8/17/18

\* Failure to provide a valid and current Florida DOH lab certification number and a current Analyte Sheet for the attached analysis results will result in rejection of the report, possible enforcement against the public water system for failure to sample, and may result in notification of the DOH Bureau of Laboratory Services.  
\*\* Please provide radiological sample dates & locations for each quarter.

**CONFIRMATION & NOTIFICATION IS REQUIRED WITHIN 24 HRS FOR NITRATE OR NITRITE MCL EXCEEDANCES**  
**NON-DETECTS ARE TO BE REPORTED AS THE MDL WITH A "U" QUALIFIER.** (Non-detects reported as "BDL" or with a "C" are not acceptable.)

**COMPLIANCE DETERMINATION** (to be completed by DEP or DOH -- attach notes as necessary)

Sample Collection & Analysis Satisfactory:  Yes  No \_\_\_\_\_  
Person Notified: \_\_\_\_\_ Date Notified: \_\_\_\_\_ DEP/DOH Reviewing Official: \_\_\_\_\_



*Laboratory Scope of Accreditation*

Attachment to Certificate #: E84167-46, expiration date June 30, 2019. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E84167

EPA Lab Code:

FL00289

(941) 723-9986

E84167

Benchmark EnviroAnalytical, Inc.  
1711 12th Street East  
Palmetto, FL 34221

Matrix: Drinking Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
1,1,1-Trichloroethane	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
1,1,2-Trichloroethane	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
1,1-Dichloroethylene	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
1,2,4-Trichlorobenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	9/28/2005
1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1	Synthetic Organic Contaminants	NELAP	4/20/2009
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 504.1	Synthetic Organic Contaminants	NELAP	4/20/2009
1,2-Dichlorobenzene	EPA 524.2	Other Regulated Contaminants	NELAP	12/29/2015
1,2-Dichloroethane	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
1,2-Dichloropropane	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
1,4-Dichlorobenzene	EPA 524.2	Other Regulated Contaminants	NELAP	12/29/2015
Alkalinity as CaCO <sub>3</sub>	SM 2320 B	Primary Inorganic Contaminants	NELAP	5/25/2004
Aluminum	EPA 200.7	Secondary Inorganic Contaminants	NELAP	5/25/2004
Ammonia as N	EPA 350.1	Primary Inorganic Contaminants	NELAP	3/7/2011
Antimony	SM 3113 B	Primary Inorganic Contaminants	NELAP	1/3/2002
Arsenic	SM 3113 B	Primary Inorganic Contaminants	NELAP	1/3/2002
Barium	EPA 200.7	Primary Inorganic Contaminants	NELAP	5/25/2004
Benzene	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
Beryllium	EPA 200.7	Primary Inorganic Contaminants	NELAP	5/25/2004
Boron	EPA 200.7	Secondary Inorganic Contaminants	NELAP	3/7/2011
Bromate	EPA 300.1	Primary Inorganic Contaminants	NELAP	11/21/2008
Bromide	EPA 300.0	Primary Inorganic Contaminants	NELAP	5/25/2004
Bromoacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	4/20/2009
Bromodichloromethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	9/28/2005
Bromoform	EPA 524.2	Group II Unregulated Contaminants	NELAP	9/28/2005
Cadmium	EPA 200.7	Primary Inorganic Contaminants	NELAP	5/25/2004
Calcium	EPA 200.7	Primary Inorganic Contaminants	NELAP	5/25/2004
Carbon tetrachloride	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
Chlorate	EPA 300.1	Secondary Inorganic Contaminants	NELAP	11/21/2008
Chloride	EPA 300.0	Secondary Inorganic Contaminants	NELAP	5/25/2004
Chlorine	SM 4500-Cl G	Primary Inorganic Contaminants	NELAP	3/7/2011
Chlorite	EPA 300.1	Primary Inorganic Contaminants	NELAP	11/21/2008
Chloroacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	4/20/2009
Chlorobenzene	EPA 524.2	Other Regulated Contaminants	NELAP	12/29/2015
Chloroform	EPA 524.2	Group II Unregulated Contaminants	NELAP	9/28/2005
Chromium	EPA 200.7	Primary Inorganic Contaminants	NELAP	5/25/2004
cis-1,2-Dichloroethylene	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005

Clients and Customers are urged to verify the laboratory's current certification status with the Environmental Laboratory Certification Program.

Issue Date: 7/1/2018

Expiration Date: 6/30/2019



*Laboratory Scope of Accreditation*

Attachment to Certificate #: E84167-46, expiration date June 30, 2019. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E84167

EPA Lab Code: FL00289

(941) 723-9986

**E84167**

Benchmark EnviroAnalytical, Inc.  
1711 12th Street East  
Palmetto, FL 34221

Matrix: Drinking Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Color	SM 2120 B	Secondary Inorganic Contaminants	NELAP	7/31/2007
Conductivity	SM 2510 B	Primary Inorganic Contaminants	NELAP	5/25/2004
Copper	EPA 200.7	Primary Inorganic Contaminants, Secondary Inorganic Contaminants	NELAP	5/25/2004
Corrosivity (langlier index)	SM 2330 B	Secondary Inorganic Contaminants	NELAP	3/7/2011
Cyanide	EPA 335.4	Primary Inorganic Contaminants	NELAP	3/7/2011
Dibromoacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	4/20/2009
Dibromochloromethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	9/28/2005
Dichloroacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	4/20/2009
Dichloromethane (DCM, Methylene chloride)	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
Dissolved organic carbon (DOC)	SM 5310 B	Primary Inorganic Contaminants	NELAP	11/21/2008
Escherichia coli	SM 9223 B	Microbiology	NELAP	1/3/2002
Escherichia coli	SM 9223 B /QUANTI-TRAY	Microbiology	NELAP	3/7/2011
Ethylbenzene	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
Fluoride	EPA 300.0	Primary Inorganic Contaminants, Secondary Inorganic Contaminants	NELAP	5/25/2004
Hardness	SM 2340 B	Secondary Inorganic Contaminants	NELAP	3/7/2011
Heterotrophic plate count	SIMPLATE	Microbiology	NELAP	7/1/2016
Heterotrophic plate count	SM 9215 B	Microbiology	NELAP	5/25/2004
Hydrogen sulfide, un-ionized (calculation)	SM 4500-S H (21st Ed.)	Primary Inorganic Contaminants	NELAP	3/7/2011
Iron	EPA 200.7	Secondary Inorganic Contaminants	NELAP	5/25/2004
Lead	SM 3113 B	Primary Inorganic Contaminants	NELAP	1/3/2002
Magnesium	EPA 200.7	Primary Inorganic Contaminants	NELAP	5/25/2004
Manganese	EPA 200.7	Secondary Inorganic Contaminants	NELAP	5/25/2004
Mercury	EPA 245.1	Primary Inorganic Contaminants	NELAP	1/3/2002
Molybdenum	EPA 200.7	Secondary Inorganic Contaminants	NELAP	3/7/2011
Nickel	EPA 200.7	Primary Inorganic Contaminants	NELAP	5/25/2004
Nitrate	EPA 353.2	Primary Inorganic Contaminants	NELAP	1/3/2002
Nitrate as N	EPA 300.0	Primary Inorganic Contaminants	NELAP	5/25/2004
Nitrite as N	EPA 300.0	Primary Inorganic Contaminants	NELAP	5/25/2004
Nitrite as N	EPA 353.2	Primary Inorganic Contaminants	NELAP	5/25/2004
Odor	EPA 140.1	Secondary Inorganic Contaminants	NELAP	1/3/2002
Orthophosphate as P	EPA 300.0	Primary Inorganic Contaminants	NELAP	3/7/2011
pH	SM 4500-H+-B	Secondary Inorganic Contaminants	NELAP	7/31/2007
Potassium	EPA 200.7	Secondary Inorganic Contaminants	NELAP	5/25/2004

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Issue Date: 7/1/2018

Expiration Date: 6/30/2019

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State Surgeon General

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### Laboratory Scope of Accreditation

Attachment to Certificate #: E84167-46, expiration date June 30, 2019. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E84167

EPA Lab Code: FL00289

(941) 723-9986

E84167

Benchmark EnviroAnalytical, Inc.  
1711 12th Street East  
Palmetto, FL 34221

Matrix: Drinking Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Selenium	SM 3113 B	Primary Inorganic Contaminants	NELAP	1/3/2002
Silica as SiO2	EPA 200.7	Primary Inorganic Contaminants	NELAP	5/25/2004
Silver	EPA 200.7	Secondary Inorganic Contaminants	NELAP	5/25/2004
Sodium	EPA 200.7	Primary Inorganic Contaminants	NELAP	5/25/2004
Styrene	EPA 524.2	Other Regulated Contaminants	NELAP	12/29/2015
Sulfate	EPA 300.0	Primary Inorganic Contaminants, Secondary Inorganic Contaminants	NELAP	5/25/2004
Sulfide	SM 4500-S D/UV-VIS	Primary Inorganic Contaminants	NELAP	3/7/2011
Surfactants - MBAS	SM 5540 C	Secondary Inorganic Contaminants	NELAP	1/3/2002
Tetrachloroethylene (Perchloroethylene)	EPA 524.2	Other Regulated Contaminants	NELAP	12/29/2015
Thallium	EPA 200.9	Primary Inorganic Contaminants	NELAP	1/3/2002
Toluene	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
Total coliforms	SM 9223 B	Microbiology	NELAP	1/3/2002
Total coliforms	SM 9223 B /QUANTI-TRAY	Microbiology	NELAP	3/7/2011
Total dissolved solids	SM 2540 C	Secondary Inorganic Contaminants	NELAP	7/31/2007
Total haloacetic acids (HAA5)	EPA 552.2	Synthetic Organic Contaminants	NELAP	4/20/2009
Total nitrate-nitrite	EPA 300.0	Primary Inorganic Contaminants	NELAP	5/25/2004
Total nitrate-nitrite	EPA 353.2	Primary Inorganic Contaminants	NELAP	1/3/2002
Total organic carbon	SM 5310 B	Primary Inorganic Contaminants	NELAP	5/25/2004
Total trihalomethanes	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
trans-1,2-Dichloroethylene	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
Trichloroacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	10/14/2010
Trichloroethene (Trichloroethylene)	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
Turbidity	EPA 180.1	Secondary Inorganic Contaminants	NELAP	3/7/2011
UV 254	SM 5910 B	Primary Inorganic Contaminants	NELAP	11/16/2016
Vanadium	EPA 200.7	Secondary Inorganic Contaminants	NELAP	3/7/2011
Vinyl chloride	EPA 524.2	Other Regulated Contaminants	NELAP	9/28/2005
Xylene (total)	EPA 524.2	Other Regulated Contaminants	NELAP	12/29/2015
Zinc	EPA 200.7	Secondary Inorganic Contaminants	NELAP	5/25/2004

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Issue Date: 7/1/2018

Expiration Date: 6/30/2019

Rick Scott  
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State Surgeon General

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*Laboratory Scope of Accreditation*

Attachment to Certificate #: E83033-14, expiration date June 30, 2019. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E83033**

EPA Lab Code:

**FL01113**

(407) 382-7733

**E83033**

**Florida Radiochemistry Services, Inc.**  
**5456 Hoffner Rd. Suite 201**  
**Orlando, FL 32817**

Matrix: **Drinking Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Gross-alpha	EPA 900.0	Radiochemistry	NELAP	6/28/2001
Gross-beta	EPA 900.0	Radiochemistry	NELAP	6/28/2001
Radium-226	EPA 903.0	Radiochemistry	NELAP	12/15/2003
Radium-226	EPA 903.1	Radiochemistry	NELAP	6/28/2001
Radium-228	EPA Ra-05	Radiochemistry	NELAP	6/28/2001
Uranium	EPA 908.0	Radiochemistry	NELAP	6/28/2001

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Issue Date: 7/1/2018

Expiration Date: 6/30/2019

Rick Scott  
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State Surgeon General

### Laboratory Scope of Accreditation

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Attachment to Certificate #: E83079-71, expiration date June 30, 2019. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E83079**

EPA Lab Code: **FL01264**

(386) 672-5668

**E83079**

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

Matrix: **Drinking Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
1,1,1,2-Tetrachloroethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
1,1,1-Trichloroethane	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
1,1,2,2-Tetrachloroethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
1,1,2-Trichloroethane	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
1,1-Dichloroethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
1,1-Dichloroethylene	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
1,1-Dichloropropene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
1,2,3-Trichlorobenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
1,2,3-Trichloropropane	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
1,2,4-Trichlorobenzene	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
1,2,4-Trimethylbenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1	Synthetic Organic Contaminants	NELAP	1/8/2002
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 504.1	Synthetic Organic Contaminants	NELAP	1/8/2002
1,2-Dichlorobenzene	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
1,2-Dichloroethane	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
1,2-Dichloropropane	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
1,3,5-Trimethylbenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
1,3-Dichlorobenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
1,3-Dichloropropane	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
1,4-Dichlorobenzene	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
1,4-Dioxane (1,4-Diethyleneoxide)	EPA 522	Synthetic Organic Contaminants	NELAP	1/8/2002
2,2',3,3',4,5,6,6'-Octachlorobiphenyl (BZ 201)	EPA 525.2	Group I Unregulated Contaminants	NELAP	1/17/2014
2,2',3',4,6-Pentachlorobiphenyl (525.2 typo for 2,2',3,4',6'-Pentachlorobiphenyl)	EPA 525.2	Group I Unregulated Contaminants	NELAP	1/8/2002
2,2',4,4'-Tetrachlorobiphenyl (BZ 47)	EPA 525.2	Group I Unregulated Contaminants	NELAP	1/8/2002
2,2-Dichloropropane	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
2,4,5-T	EPA 515.3	Synthetic Organic Contaminants	NELAP	10/14/2004
2,4-D	EPA 515.3	Synthetic Organic Contaminants	NELAP	5/11/2004
2,4-DB	EPA 515.3	Synthetic Organic Contaminants	NELAP	10/14/2004
2-Chlorobiphenyl (BZ 1)	EPA 525.2	Group I Unregulated Contaminants	NELAP	1/8/2002
2-Chlorotoluene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
3-Hydroxycarbofuran	EPA 531.1	Group I Unregulated Contaminants	NELAP	1/8/2002
3-Hydroxycarbofuran	EPA 531.2	Group I Unregulated Contaminants	NELAP	4/26/2018
4-Chlorotoluene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
4-Isopropyltoluene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
Acetone	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/3/2012
Acifluorfen	EPA 515.3	Group I Unregulated Contaminants	NELAP	5/11/2004

Clients and Customers are urged to verify the laboratory's current certification status with the Environmental Laboratory Certification Program.

Issue Date: 7/1/2018

Expiration Date: 6/30/2019

Rick Scott  
Governor



Celeste Philip, MD, MPH  
State Surgeon General

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### Laboratory Scope of Accreditation

Attachment to Certificate #: E83079-71, expiration date June 30, 2019. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E83079**

EPA Lab Code:

**FL01264**

(386) 672-5668

**E83079**

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

Matrix: **Drinking Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Alachlor	EPA 508.1	Synthetic Organic Contaminants	NELAP	1/8/2002
Aldicarb (Temik)	EPA 531.1	Group I Unregulated Contaminants	NELAP	1/8/2002
Aldicarb (Temik)	EPA 531.2	Group I Unregulated Contaminants	NELAP	4/26/2018
Aldicarb sulfone	EPA 531.1	Group I Unregulated Contaminants	NELAP	1/8/2002
Aldicarb sulfone	EPA 531.2	Group I Unregulated Contaminants	NELAP	4/26/2018
Aldicarb sulfoxide	EPA 531.1	Group I Unregulated Contaminants	NELAP	1/8/2002
Aldicarb sulfoxide	EPA 531.2	Group I Unregulated Contaminants	NELAP	4/26/2018
Aldrin	EPA 525.2	Group I Unregulated Contaminants	NELAP	1/8/2002
Alkalinity as CaCO <sub>3</sub>	SM 2320 B	Primary Inorganic Contaminants	NELAP	1/8/2002
Aluminum	EPA 200.7	Secondary Inorganic Contaminants	NELAP	1/8/2002
Aluminum	EPA 200.8	Secondary Inorganic Contaminants	NELAP	5/11/2004
Antimony	EPA 200.8	Primary Inorganic Contaminants	NELAP	5/11/2004
Aroclor-1016 (PCB-1016)	EPA 508.1	Synthetic Organic Contaminants	NELAP	3/10/2010
Aroclor-1221 (PCB-1221)	EPA 508.1	Synthetic Organic Contaminants	NELAP	3/10/2010
Aroclor-1232 (PCB-1232)	EPA 508.1	Synthetic Organic Contaminants	NELAP	3/10/2010
Aroclor-1242 (PCB-1242)	EPA 508.1	Synthetic Organic Contaminants	NELAP	3/10/2010
Aroclor-1248 (PCB-1248)	EPA 508.1	Synthetic Organic Contaminants	NELAP	3/10/2010
Aroclor-1254 (PCB-1254)	EPA 508.1	Synthetic Organic Contaminants	NELAP	3/10/2010
Aroclor-1260 (PCB-1260)	EPA 508.1	Synthetic Organic Contaminants	NELAP	3/10/2010
Arsenic	EPA 200.7	Primary Inorganic Contaminants	NELAP	1/8/2002
Arsenic	EPA 200.8	Primary Inorganic Contaminants	NELAP	5/11/2004
Atrazine	EPA 525.2	Synthetic Organic Contaminants	NELAP	7/1/2016
Barium	EPA 200.7	Primary Inorganic Contaminants	NELAP	1/8/2002
Barium	EPA 200.8	Primary Inorganic Contaminants	NELAP	5/11/2004
Bentazon	EPA 515.3	Synthetic Organic Contaminants	NELAP	10/14/2004
Benzene	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
Benzo(a)pyrene	EPA 525.2	Synthetic Organic Contaminants	NELAP	1/8/2002
Beryllium	EPA 200.7	Primary Inorganic Contaminants	NELAP	1/8/2002
Beryllium	EPA 200.8	Primary Inorganic Contaminants	NELAP	5/11/2004
Bromacil	EPA 525.2	Group I Unregulated Contaminants	NELAP	3/15/2013
Bromate	EPA 300.1	Primary Inorganic Contaminants	NELAP	5/11/2004
Bromide	EPA 300.0	Primary Inorganic Contaminants	NELAP	1/8/2002
Bromide	EPA 300.1	Primary Inorganic Contaminants	NELAP	5/11/2004
Bromoacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	8/14/2006
Bromoacetic acid	EPA 552.3	Group I Unregulated Contaminants	NELAP	7/1/2016
Bromobenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002

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Issue Date: 7/1/2018

Expiration Date: 6/30/2019

Rick Scott  
Governor



Celeste Philip, MD, MPH  
State Surgeon General

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### Laboratory Scope of Accreditation

Attachment to Certificate #: E83079-71, expiration date June 30, 2019. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E83079

EPA Lab Code:

FL01264

(386) 672-5668

**E83079**

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

Matrix: Drinking Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Bromoacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	9/14/2010
Bromoacetic acid	EPA 552.3	Group I Unregulated Contaminants	NELAP	7/1/2016
Bromochloromethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
Bromodichloromethane	EPA 524.2	Group II Unregulated Contaminants, Other Regulated Contaminants	NELAP	1/8/2002
Bromoform	EPA 524.2	Group II Unregulated Contaminants, Other Regulated Contaminants	NELAP	1/8/2002
Butachlor	EPA 525.2	Group I Unregulated Contaminants	NELAP	1/8/2002
Butyl benzyl phthalate	EPA 525.2	Group III Unregulated Contaminants	NELAP	1/8/2002
Cadmium	EPA 200.7	Primary Inorganic Contaminants	NELAP	1/8/2002
Cadmium	EPA 200.8	Primary Inorganic Contaminants	NELAP	5/11/2004
Calcium	EPA 200.7	Primary Inorganic Contaminants	NELAP	1/8/2002
Carbaryl (Sevin)	EPA 531.1	Group I Unregulated Contaminants	NELAP	1/8/2002
Carbaryl (Sevin)	EPA 531.2	Group I Unregulated Contaminants	NELAP	4/26/2018
Carbofuran (Furadan)	EPA 531.1	Synthetic Organic Contaminants	NELAP	1/8/2002
Carbofuran (Furadan)	EPA 531.2	Synthetic Organic Contaminants	NELAP	4/26/2018
Carbon tetrachloride	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
Chlorate	EPA 300.1	Primary Inorganic Contaminants	NELAP	5/11/2004
Chlordane (tech.)	EPA 508.1	Synthetic Organic Contaminants	NELAP	1/8/2002
Chloride	EPA 300.0	Secondary Inorganic Contaminants	NELAP	1/8/2002
Chlorine	SM 4500-Cl D	Primary Inorganic Contaminants	NELAP	1/8/2002
Chlorine	SM 4500-Cl G	Primary Inorganic Contaminants	NELAP	4/26/2018
Chlorine dioxide, res. disinfectant	SM 4500-CIO2 D	Primary Inorganic Contaminants	NELAP	10/14/2004
Chlorite	EPA 300.1	Primary Inorganic Contaminants	NELAP	5/11/2004
Chloroacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	8/14/2006
Chloroacetic acid	EPA 552.3	Group I Unregulated Contaminants	NELAP	7/1/2016
Chlorobenzene	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
Chloroethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
Chloroform	EPA 524.2	Other Regulated Contaminants, Group II Unregulated Contaminants	NELAP	1/8/2002
Chromium	EPA 200.7	Primary Inorganic Contaminants	NELAP	1/8/2002
Chromium	EPA 200.8	Primary Inorganic Contaminants	NELAP	5/11/2004
Chromium VI	EPA 218.6	Primary Inorganic Contaminants	NELAP	12/12/2012
Chromium VI	EPA 218.7	Primary Inorganic Contaminants	NELAP	12/12/2012
cis-1,2-Dichloroethylene	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
cis-1,3-Dichloropropene	EPA 524.2	Group II Unregulated Contaminants	NELAP	4/26/2018

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Expiration Date: 6/30/2019



*Laboratory Scope of Accreditation*

Attachment to Certificate #: E83079-71, expiration date June 30, 2019. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E83079**

EPA Lab Code: **FL01264**

(386) 672-5668

**E83079**

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

Matrix: **Drinking Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Cobalt	EPA 200.8	Primary Inorganic Contaminants	NELAP	12/12/2012
Color	SM 2120 B	Secondary Inorganic Contaminants	NELAP	1/8/2002
Conductivity	SM 2510 B	Primary Inorganic Contaminants	NELAP	1/8/2002
Copper	EPA 200.7	Primary Inorganic Contaminants, Secondary Inorganic Contaminants	NELAP	1/8/2002
Copper	EPA 200.8	Primary Inorganic Contaminants, Secondary Inorganic Contaminants	NELAP	5/11/2004
Corrosivity (langlier index)	SM 2330 B	Secondary Inorganic Contaminants	NELAP	1/8/2002
Cyanide	EPA 335.4	Primary Inorganic Contaminants	NELAP	1/8/2002
Dalapon	EPA 515.3	Synthetic Organic Contaminants	NELAP	5/11/2004
Di(2-ethylhexyl) phthalate (DEHP)	EPA 525.2	Synthetic Organic Contaminants	NELAP	1/8/2002
Di(2-ethylhexyl)adipate	EPA 525.2	Synthetic Organic Contaminants	NELAP	1/8/2002
Dibromoacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	8/14/2006
Dibromoacetic acid	EPA 552.3	Group I Unregulated Contaminants	NELAP	7/1/2016
Dibromochloromethane	EPA 524.2	Other Regulated Contaminants, Group II Unregulated Contaminants	NELAP	1/8/2002
Dibromomethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
Dicamba	EPA 515.3	Group I Unregulated Contaminants	NELAP	5/11/2004
Dichloroacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	8/14/2006
Dichloroacetic acid	EPA 552.3	Group I Unregulated Contaminants	NELAP	7/1/2016
Dichlorodifluoromethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
Dichloromethane (DCM, Methylene chloride)	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
Dichloroprop (Dichloroprop)	EPA 515.3	Synthetic Organic Contaminants	NELAP	10/14/2004
Dieldrin	EPA 508.1	Group I Unregulated Contaminants	NELAP	1/8/2002
Dieldrin	EPA 525.2	Group I Unregulated Contaminants	NELAP	1/8/2002
Diethyl phthalate	EPA 525.2	Group III Unregulated Contaminants	NELAP	1/8/2002
Dimethyl phthalate	EPA 525.2	Group III Unregulated Contaminants	NELAP	1/8/2002
Di-n-butyl phthalate	EPA 525.2	Group III Unregulated Contaminants	NELAP	1/8/2002
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 515.3	Synthetic Organic Contaminants	NELAP	5/11/2004
Diquat	EPA 549.2	Synthetic Organic Contaminants	NELAP	1/8/2002
Dissolved organic carbon (DOC)	SM 5310 B	Primary Inorganic Contaminants	NELAP	1/3/2012
Endothall	EPA 548.1	Synthetic Organic Contaminants	NELAP	1/8/2002
Endrin	EPA 508.1	Synthetic Organic Contaminants	NELAP	1/8/2002
Escherichia coli	COLISURE	Microbiology	NELAP	11/1/2011
Escherichia coli	SM 9223 B	Microbiology	NELAP	11/1/2011
Ethylbenzene	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002

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Issue Date: 7/1/2018

Expiration Date: 6/30/2019



*Laboratory Scope of Accreditation*

Attachment to Certificate #: E83079-71, expiration date June 30, 2019. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E83079**

EPA Lab Code: **FL01264**

(386) 672-5668

**E83079**

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

Matrix: **Drinking Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Fluorene	EPA 525.2	Group III Unregulated Contaminants	NELAP	1/8/2002
Fluoride	EPA 300.0	Primary Inorganic Contaminants, Secondary Inorganic Contaminants	NELAP	1/8/2002
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 508.1	Synthetic Organic Contaminants	NELAP	1/8/2002
Glyphosate	EPA 547	Synthetic Organic Contaminants	NELAP	1/8/2002
Hardness	SM 2340 B	Secondary Inorganic Contaminants	NELAP	8/14/2006
Hardness (calc.)	EPA 200.7	Secondary Inorganic Contaminants	NELAP	8/14/2006
Heptachlor	EPA 508.1	Synthetic Organic Contaminants	NELAP	1/8/2002
Heptachlor epoxide	EPA 508.1	Synthetic Organic Contaminants	NELAP	1/8/2002
Heterotrophic plate count	SIMPLATE	Microbiology	NELAP	3/15/2013
Hexachlorobenzene	EPA 508.1	Synthetic Organic Contaminants	NELAP	1/8/2002
Hexachlorobutadiene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
Hexachlorocyclopentadiene	EPA 508.1	Synthetic Organic Contaminants	NELAP	1/8/2002
Indeno(1,2,3-cd)pyrene	EPA 525.2	Group III Unregulated Contaminants	NELAP	1/8/2002
Iron	EPA 200.7	Secondary Inorganic Contaminants	NELAP	1/8/2002
Isopropylbenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
Lead	EPA 200.8	Primary Inorganic Contaminants	NELAP	1/8/2002
m/p-Xylenes	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/3/2012
Magnesium	EPA 200.7	Primary Inorganic Contaminants	NELAP	1/8/2002
Manganese	EPA 200.7	Secondary Inorganic Contaminants	NELAP	1/8/2002
Manganese	EPA 200.8	Secondary Inorganic Contaminants	NELAP	5/11/2004
Mercury	EPA 245.1	Primary Inorganic Contaminants	NELAP	1/8/2002
Methiocarb (Mesurol)	EPA 531.1	Group I Unregulated Contaminants	NELAP	1/8/2002
Methiocarb (Mesurol)	EPA 531.2	Group I Unregulated Contaminants	NELAP	4/26/2018
Methomyl (Lannate)	EPA 531.1	Group I Unregulated Contaminants	NELAP	1/8/2002
Methomyl (Lannate)	EPA 531.2	Group I Unregulated Contaminants	NELAP	4/26/2018
Methoxychlor	EPA 508.1	Synthetic Organic Contaminants	NELAP	1/8/2002
Methyl bromide (Bromomethane)	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
Methyl chloride (Chloromethane)	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
Methyl tert-butyl ether (MTBE)	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
Metolachlor	EPA 508.1	Group I Unregulated Contaminants	NELAP	1/8/2002
Metolachlor	EPA 525.2	Group I Unregulated Contaminants	NELAP	1/8/2002
Metribuzin	EPA 525.2	Group I Unregulated Contaminants	NELAP	1/8/2002
Naphthalene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
n-Butylbenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
Nickel	EPA 200.7	Primary Inorganic Contaminants	NELAP	1/8/2002

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EPA Lab Code:

FL01264

(386) 672-5668

E83079

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

Matrix: Drinking Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Nickel	EPA 200.8	Primary Inorganic Contaminants	NELAP	5/11/2004
Nitrate	EPA 300.0	Primary Inorganic Contaminants	NELAP	1/8/2002
Nitrate	EPA 353.2	Primary Inorganic Contaminants	NELAP	1/8/2002
Nitrite	EPA 300.0	Primary Inorganic Contaminants	NELAP	1/8/2002
Nitrite	EPA 353.2	Primary Inorganic Contaminants	NELAP	1/8/2002
n-Propylbenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
Odor	SM 2150 B	Secondary Inorganic Contaminants	NELAP	1/8/2002
Orthophosphate as P	EPA 300.0	Primary Inorganic Contaminants	NELAP	1/8/2002
Orthophosphate as P	EPA 365.1	Primary Inorganic Contaminants	NELAP	1/8/2002
Oxamyl	EPA 531.1	Synthetic Organic Contaminants	NELAP	1/8/2002
Oxamyl	EPA 531.2	Synthetic Organic Contaminants	NELAP	4/26/2018
o-Xylene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/3/2012
Paraquat	EPA 549.2	Synthetic Organic Contaminants	NELAP	3/10/2010
PCBs	EPA 508.1	Synthetic Organic Contaminants	NELAP	1/8/2002
Pentachlorophenol	EPA 515.3	Synthetic Organic Contaminants	NELAP	5/11/2004
Perfluorobutane sulfonate (PFBS, perfluorobutane sulfonic acid)	EPA 537	Group III Unregulated Contaminants	NELAP	7/1/2016
Perfluoroheptanoate (PFHpA, perfluoroheptanoic acid)	EPA 537	Group III Unregulated Contaminants	NELAP	7/1/2016
Perfluorohexane sulfonate (PFHxS, perfluorohexane sulfonic acid)	EPA 537	Group III Unregulated Contaminants	NELAP	7/1/2016
Perfluorononanoate (PFNA, perfluorononanoic acid)	EPA 537	Group III Unregulated Contaminants	NELAP	7/1/2016
Perfluorooctane sulfonate (PFOS, perfluorooctane sulfonic acid)	EPA 537	Group III Unregulated Contaminants	NELAP	7/1/2016
Perfluorooctanoate (PFOA, perfluorooctanoic acid)	EPA 537	Group III Unregulated Contaminants	NELAP	7/1/2016
pH	SM 4500-H+-B	Secondary Inorganic Contaminants	NELAP	2/19/2008
Picloram	EPA 515.3	Synthetic Organic Contaminants	NELAP	5/11/2004
Potassium	EPA 200.7	Secondary Inorganic Contaminants	NELAP	10/18/2004
Propachlor (Ramrod)	EPA 508.1	Group I Unregulated Contaminants	NELAP	1/8/2002
Propachlor (Ramrod)	EPA 525.2	Group I Unregulated Contaminants	NELAP	1/8/2002
Pyrene	EPA 525.2	Group III Unregulated Contaminants	NELAP	1/8/2002
sec-Butylbenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
Selenium	EPA 200.8	Primary Inorganic Contaminants	NELAP	5/11/2004
Silica as SiO <sub>2</sub>	EPA 200.7	Primary Inorganic Contaminants	NELAP	12/12/2012
Silver	EPA 200.7	Secondary Inorganic Contaminants	NELAP	1/8/2002
Silver	EPA 200.8	Secondary Inorganic Contaminants	NELAP	5/11/2004
Silvex (2,4,5-TP)	EPA 515.3	Synthetic Organic Contaminants	NELAP	5/11/2004
Simazine	EPA 508.1	Synthetic Organic Contaminants	NELAP	1/8/2002

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(386) 672-5668

E83079

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

Matrix: Drinking Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Sodium	EPA 200.7	Primary Inorganic Contaminants	NELAP	1/8/2002
Strontium	PACE SOP S-FL-M-004/ICP-MS	Secondary Inorganic Contaminants	NELAP	12/12/2012
Styrene	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
Sulfate	EPA 300.0	Primary Inorganic Contaminants, Secondary Inorganic Contaminants	NELAP	1/8/2002
Surfactants - MBAS	SM 5540 C	Secondary Inorganic Contaminants	NELAP	1/8/2002
tert-Butylbenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
Tetrachloroethylene (Perchloroethylene)	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
Thallium	EPA 200.8	Primary Inorganic Contaminants	NELAP	5/11/2004
Toluene	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
Total coliforms	COLISURE	Microbiology	NELAP	11/1/2011
Total coliforms	SM 9223 B	Microbiology	NELAP	11/1/2011
Total dissolved solids	SM 2540 C	Secondary Inorganic Contaminants	NELAP	1/8/2002
Total haloacetic acids (HAAS)	EPA 552.2	Synthetic Organic Contaminants	NELAP	8/14/2006
Total haloacetic acids (HAAS)	EPA 552.3	Synthetic Organic Contaminants	NELAP	7/1/2016
Total nitrate-nitrite	EPA 300.0	Primary Inorganic Contaminants	NELAP	1/8/2002
Total nitrate-nitrite	EPA 353.2	Primary Inorganic Contaminants	NELAP	1/8/2002
Total organic carbon	SM 5310 B	Primary Inorganic Contaminants	NELAP	1/8/2002
Total phenolics	EPA 420.4	Secondary Inorganic Contaminants	NELAP	7/1/2016
Total trihalomethanes	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
Toxaphene (Chlorinated camphene)	EPA 508.1	Synthetic Organic Contaminants	NELAP	1/8/2002
trans-1,2-Dichloroethylene	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
trans-1,3-Dichloropropene	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
Trichloroacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	8/14/2006
Trichloroacetic acid	EPA 552.3	Group I Unregulated Contaminants	NELAP	7/1/2016
Trichloroethene (Trichloroethylene)	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
Trichlorofluoromethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/8/2002
Turbidity	EPA 180.1	Secondary Inorganic Contaminants	NELAP	1/8/2002
Uranium	EPA 200.8	Radiochemistry	NELAP	12/12/2012
UV 254	SM 5910 B	Primary Inorganic Contaminants	NELAP	1/8/2002
Vinyl chloride	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
Xylene (total)	EPA 524.2	Other Regulated Contaminants	NELAP	1/8/2002
Zinc	EPA 200.7	Secondary Inorganic Contaminants	NELAP	1/8/2002
Zinc	EPA 200.8	Secondary Inorganic Contaminants	NELAP	5/11/2004

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Issue Date: 7/1/2018

Expiration Date: 6/30/2019



*Laboratory Scope of Accreditation*

Attachment to Certificate #: E87610-34, expiration date June 30, 2019. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87610**

EPA Lab Code: **NC01152**

(919) 677-1669

**E87610**

**Environmental Conservation Laboratories, Inc. - Cary**  
**102A Woodwinds Industrial Court**  
**Cary, NC 27511**

Matrix: **Drinking Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Antimony	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/1/2008
Arsenic	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/1/2008
Atrazine	EPA 505	Synthetic Organic Contaminants	NELAP	7/1/2008
Atrazine	EPA 525.2	Synthetic Organic Contaminants	NELAP	3/4/2016
Barium	EPA 200.7	Primary Inorganic Contaminants	NELAP	7/1/2008
Barium	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/1/2008
Benzene	EPA 524.2	Other Regulated Contaminants	NELAP	7/1/2008
Benzo(a)pyrene	EPA 525.2	Synthetic Organic Contaminants	NELAP	3/15/2012
Beryllium	EPA 200.7	Primary Inorganic Contaminants	NELAP	7/1/2008
Beryllium	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/1/2008
Boron	EPA 200.7	Secondary Inorganic Contaminants	NELAP	7/1/2008
Bromide	EPA 300.0	Primary Inorganic Contaminants	NELAP	1/9/2009
Bromoacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	7/1/2008
Bromobenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	7/1/2008
Bromochloromethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	7/1/2008
Bromodichloromethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	7/1/2008
Bromoform	EPA 524.2	Group II Unregulated Contaminants	NELAP	7/1/2008
Cadmium	EPA 200.7	Primary Inorganic Contaminants	NELAP	7/1/2008
Cadmium	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/1/2008
Calcium	EPA 200.7	Primary Inorganic Contaminants	NELAP	7/1/2008
Carbaryl (Sevin)	EPA 531.1	Group I Unregulated Contaminants	NELAP	10/1/2013
Carbofuran (Furadan)	EPA 531.1	Synthetic Organic Contaminants	NELAP	7/1/2008
Carbon tetrachloride	EPA 524.2	Other Regulated Contaminants	NELAP	7/1/2008
Chlordane (tech.)	EPA 505	Synthetic Organic Contaminants	NELAP	7/1/2008
Chloride	EPA 300.0	Secondary Inorganic Contaminants	NELAP	2/9/2011
Chloroacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	7/1/2008
Chlorobenzene	EPA 524.2	Other Regulated Contaminants	NELAP	7/1/2008
Chloroethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	7/1/2008
Chloroform	EPA 524.2	Group II Unregulated Contaminants	NELAP	7/1/2008
Chromium	EPA 200.7	Primary Inorganic Contaminants	NELAP	7/1/2008
Chromium	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/1/2008
cis-1,2-Dichloroethylene	EPA 524.2	Other Regulated Contaminants	NELAP	7/1/2008
cis-1,3-Dichloropropene	EPA 524.2	Group II Unregulated Contaminants	NELAP	7/1/2008
Color	SM 2120 B	Secondary Inorganic Contaminants	NELAP	10/1/2013
Conductivity	SM 2510 B	Primary Inorganic Contaminants	NELAP	7/1/2008
Copper	EPA 200.7	Primary Inorganic Contaminants	NELAP	7/1/2008

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Expiration Date: 6/30/2019

Rick Scott  
Governor



Celeste Philip, MD, MPH  
State Surgeon General

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### Laboratory Scope of Accreditation

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EPA Lab Code:

**NC01152**

(919) 677-1669

**E87610**

**Environmental Conservation Laboratories, Inc. - Cary**  
**102A Woodwinds Industrial Court**  
**Cary, NC 27511**

Matrix: **Drinking Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Methyl tert-butyl ether (MTBE)	EPA 524.2	Group II Unregulated Contaminants	NELAP	7/1/2008
Molybdenum	EPA 200.7	Secondary Inorganic Contaminants	NELAP	7/1/2008
Naphthalene	EPA 524.2	Group II Unregulated Contaminants	NELAP	7/1/2008
n-Butylbenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	7/1/2008
Nickel	EPA 200.7	Primary Inorganic Contaminants	NELAP	7/1/2008
Nickel	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/1/2008
Nitrate	EPA 300.0	Primary Inorganic Contaminants	NELAP	1/9/2009
Nitrate	EPA 353.2	Primary Inorganic Contaminants	NELAP	7/1/2008
Nitrate	SM 4500-NO3 F	Primary Inorganic Contaminants	NELAP	7/1/2008
Nitrate-nitrite	SM 4500-NO3 F	Primary Inorganic Contaminants	NELAP	7/1/2008
Nitrite	EPA 300.0	Primary Inorganic Contaminants	NELAP	1/9/2009
Nitrite	EPA 353.2	Primary Inorganic Contaminants	NELAP	7/1/2008
Nitrite	SM 4500-NO3 F	Primary Inorganic Contaminants	NELAP	7/1/2008
n-Propylbenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	7/1/2008
Orthophosphate as P	EPA 300.0	Primary Inorganic Contaminants	NELAP	1/9/2009
Orthophosphate as P	EPA 365.1	Primary Inorganic Contaminants	NELAP	2/9/2011
Oxamyl	EPA 531.1	Synthetic Organic Contaminants	NELAP	7/1/2008
PCBs	EPA 505	Synthetic Organic Contaminants	NELAP	7/1/2008
Pentachlorophenol	EPA 515.4	Synthetic Organic Contaminants	NELAP	7/1/2008
pH	SM 4500-H+-B	Primary Inorganic Contaminants	NELAP	2/9/2011
Picloram	EPA 515.4	Synthetic Organic Contaminants	NELAP	7/1/2008
Potassium	EPA 200.7	Secondary Inorganic Contaminants	NELAP	7/1/2008
Residue-filterable (TDS)	SM 2540 C	Secondary Inorganic Contaminants	NELAP	7/1/2008
sec-Butylbenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	7/1/2008
Selenium	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/1/2008
Silica as SiO2	EPA 200.7	Primary Inorganic Contaminants	NELAP	7/1/2008
Silver	EPA 200.7	Secondary Inorganic Contaminants	NELAP	7/1/2008
Silver	EPA 200.8	Secondary Inorganic Contaminants	NELAP	7/1/2008
Silvex (2,4,5-TP)	EPA 515.4	Synthetic Organic Contaminants	NELAP	7/1/2008
Simazine	EPA 505	Synthetic Organic Contaminants	NELAP	7/1/2008
Simazine	EPA 525.2	Synthetic Organic Contaminants	NELAP	3/4/2016
Sodium	EPA 200.7	Primary Inorganic Contaminants	NELAP	7/1/2008
Styrene	EPA 524.2	Other Regulated Contaminants	NELAP	7/1/2008
Sulfate	EPA 300.0	Primary Inorganic Contaminants	NELAP	1/9/2009
tert-Butylbenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	7/1/2008
Tetrachloroethylene (Perchloroethylene)	EPA 524.2	Other Regulated Contaminants	NELAP	7/1/2008

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Issue Date: 7/1/2018

Expiration Date: 6/30/2019

**Attachment 4. Proposed Monitoring Plan**

**ATTACHMENT 4**
**Proposed Monitoring Plan for the Peace River ASR System**

Parameter	Units	Recording Frequency	Frequency of Analysis					
			ASR Production Wells	M-2, M-18, M-19, M-21, T-2, T-7, T-11	M-7, M-8, M-14, M-15, M- 17, M-20	I-7, I-8, T-8, M-11	M-6	AP-1
Flow Rate, max.	gpm	continuous	a					
Flow Rate, min.	gpm	continuous	a					
Flow Rate, avg.	gpm	continuous	a					
Total Volume Recharged	mg	daily	b					
Total Volume Recovered	mg	daily	b					
Injection Pressure, max.	psi	continuous	a					
Injection Pressure, min.	psi	continuous	a					
Injection Pressure, avg.	psi	continuous	a					
Water Level, max.	feet (NGVD)	continuous		c	c	c	c	
Water Level, min.	feet (NGVD)	continuous		c	c	c	c	d
Water Level, avg.	feet (NGVD)	continuous		c	c	c	c	
pH <sup>e</sup>	std. Units	Grab	W <sup>f</sup>	W	M	Q	-	S
Specific Conductivity <sup>e</sup>	μmhos/cm	Grab	W <sup>f</sup>	W	M	Q	-	S
Temperature <sup>e</sup>	°C	Grab	W <sup>f</sup>	W	M	Q	-	S
Dissolved Oxygen <sup>e</sup>	mg/L	Grab	W <sup>f</sup>	W	M	Q	-	-
Turbidity <sup>e</sup>		Grab	W <sup>f</sup>	W	M	Q	-	-
Oxidation-Reduction Potential <sup>e</sup>	mV	Grab	W <sup>f</sup>	W	M	Q	-	-
Total Dissolved Solids	mg/L	Grab	W <sup>f</sup>	W	M	Q	-	S
Chloride	mg/L	Grab	W <sup>f</sup>	W	M	Q	-	S
Sulfate	mg/L	Grab	W <sup>f</sup>	W	M	Q	-	-
Arsenic	μg/L	Grab	W <sup>f</sup>	W	M	Q	-	-
Sulfide	mg/L	Grab	W <sup>f</sup>	W	M	Q	-	-
Phosphorus	mg/L	Grab	W <sup>f</sup>	W	M	Q	-	-
Iron	mg/L	Grab	W <sup>f</sup>	W	M	Q	-	-
Total Suspended Solids <sup>j</sup>	mg/L	Grab	W <sup>f</sup>	W	M	Q	-	-
Nitrate (N) <sup>j</sup>	mg/L	Grab	W <sup>f</sup>	W	M	Q	-	-
TKN <sup>j</sup>	mg/L	Grab	W <sup>f</sup>	W	M	Q	-	-
Ammonia <sup>j</sup>	mg/L	Grab	W <sup>f</sup>	W	M	Q	-	-
TOC <sup>j</sup>	mg/L	Grab	W <sup>f</sup>	W	M	Q	-	-
Color <sup>j</sup>	Units	Grab	W <sup>f</sup>	W	M	Q	-	-
Aluminum <sup>j</sup>	μg/L	Grab	W <sup>f</sup>	W	M	Q	-	-
Total Coliform <sup>j</sup>	CFU/100 mL	Grab	W <sup>f</sup>	W	M	Q	-	-
Escherichia coli <sup>j</sup>	CFU/100 mL	Grab	W <sup>f</sup>	W	M	Q	-	-
Gross Alpha <sup>j</sup>	pCi/L	Grab	Q <sup>h</sup>	Q <sup>h</sup>	Q <sup>h</sup>	-	-	-
Total Uranium	μg/L	Grab	Q <sup>h</sup>	Q <sup>h</sup>	Q <sup>h</sup>	-	-	-
Total Trihalomethanes	mg/L	Grab	A <sup>g</sup>	A	A	-	-	-
Primary and Secondary stds.	mg/L	Grab	A <sup>h</sup>	-	-	-	-	-

W - Weekly; M - Monthly; Q - Quarterly; S - semiannually; A - annually

No sampling of ASR Production Wells during storage.

a - ASR Production Wells Operational data reporting for flows and pressures: daily max, min and average from continuous readings; monthly max, min and average are calculated from averages

b - ASR Production Wells Operational data reporting for volume recharged/recovered: daily totalizer from continuous flow meter readings; monthly max, min and average are calculated from daily values

c - Monitoring Wells (Except AP-1) Operational data reporting for water levels: daily max, min and average from continuous readings; monthly max, min and average are calculated from averages

d - AP-1 Operational data reporting for water levels: manual readings recorded semiannually

e - Field parameters

f - Weekly during recovery from currently operating production wells, monthly from common distribution (or reservoir) during recharge

g - During recovery only

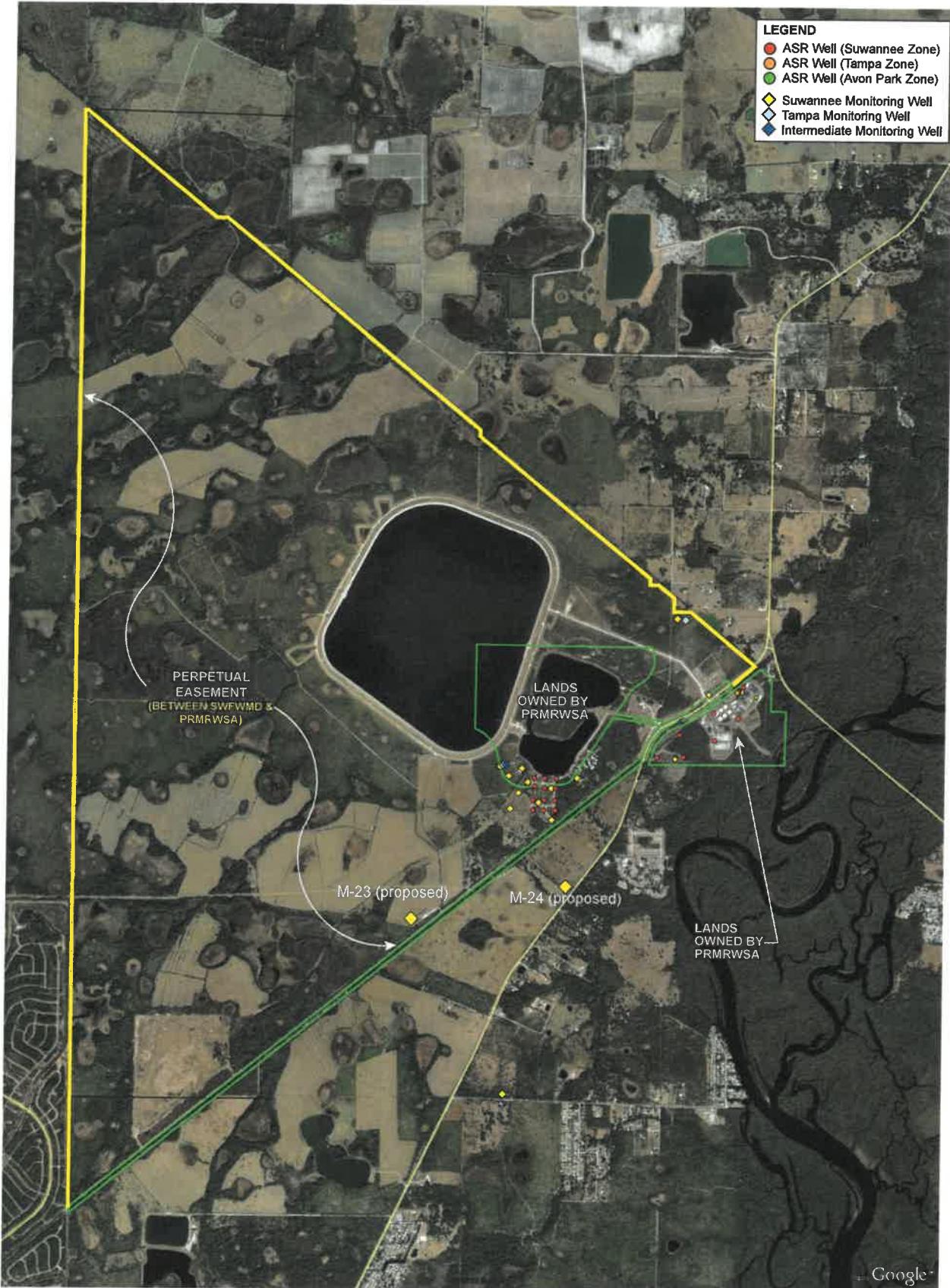
h - Analyzed only if Gross Alpha exceeds 15 pCi/L

i - July or August (finished water)

j - Analysis of these parameters to begin once recharge with partially treated surface water begins. With regard to the monitor wells, analysis will begin at the monitor wells associated with their respective wellfield (WF1 or WF2) once recharge of PTSW begins at that wellfield.

Bolded wells are compliance wells

**Attachment 5. Proposed Location for M-23 and M-24**



0 1000 1500 2000  
Scale in Feet  
North

Image: © Google Earth Pro  
Data: CH2M HILL  
Imagery Date: 1/19/2012

**ATTACHMENT 5**  
Property Boundaries and Easement Boundaries at the  
PRF and R.V. Griffin Reserve and Proposed Location for  
Monitor Wells M-23 and M-24



**JACOBS**