

# Certificate of Analysis

FINAL REPORT

Work Orders: 8E24076

Project: Seychelle / Blanket

Attn: Carl Palmer

Client: Seychelle Water Filtration Products  
22 Journey  
Aliso Viejo, CA 92656

Report Date: 7/24/2018

Received Date: 5/24/2018

Turnaround Time: Normal

Phones: (949) 234-1999

Fax: (949) 234-1998

P.O. #:

Billing Code:

DoD-ELAP #L2457 • ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • HW-DOH # • ISO 17025 #L2457.01 •  
LACSD #10143 • NELAP-CA #04229CA • NELAP-OR #4047 • NJ-DEP #CA015

*This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.*

Dear Carl Palmer,

Enclosed are the results of analyses for samples received 5/24/18 with the Chain-of-Custody document. The samples were received in good condition, at 21.5 °C. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:



Chris Samatmanakit  
Project Manager





WECK LABORATORIES, INC.

Seychelle Water Filtration Products  
22 Journey  
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Reported:  
07/24/2018 09:44

## Case Narrative

Partial Report: This is a final but incomplete report. Additional partial report(s) or a complete report may be issued to complete the order. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of NELAC unless noted by qualifiers or written in the Case Narrative. This analytical report and counterpart partial report(s) must be reproduced in its entirety.

## Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
Pre Filter	Joe Chau	8E24076-01	Water	07/05/18 13:00	
Post-Single Filter Pitcher	Joe Chau	8E24076-02	Water	07/05/18 13:00	
Post-Double Filter Pitcher	Client	8E24076-03	Water	07/05/18 13:00	



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## Sample Results

Sample: Pre Filter  
8E24076-01 (Water) Sampled: 07/05/18 13:00 by Joe Chau

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
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### Anions by IC, EPA Method 300.0

Method: EPA 300.0	Batch ID: W8G0265	Instr: LC12	Prepared: 07/05/18 14:00	Analyst: jan	
Fluoride, Total	10	0.10	mg/l	1	07/06/18 05:43
Nitrate as N	11000	110	ug/l	1	07/06/18 05:43
Nitrite as N	11000	150	ug/l	1	07/06/18 05:43

### Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods

Method: SM 4500Cl-G	Batch ID: W8G0255	Instr: UVVIS04	Prepared: 07/05/18 12:42	Analyst: ajk	
Chlorine Residual, Free	8.2	0.50	mg/l	1	07/05/18 16:47

### Metals by EPA 200 Series Methods

Method: EPA 200.8	Batch ID: W8G0398	Instr: ICPMS05	Prepared: 07/09/18 10:21	Analyst: jea	
Antimony, Total	250	2.5	ug/l	5	07/09/18 13:45
Arsenic, Total	260	2.0	ug/l	5	07/09/18 13:45
Barium, Total	250	2.5	ug/l	5	07/09/18 13:45
Cadmium, Total	240	0.50	ug/l	5	07/09/18 13:45
Chromium, Total	49	0.20	ug/l	1	07/09/18 16:42
Cobalt, Total	250	0.50	ug/l	5	07/09/18 13:45
Copper, Total	250	2.5	ug/l	5	07/09/18 13:45
Lead, Total	250	1.0	ug/l	5	07/09/18 13:45
Molybdenum, Total	240	0.50	ug/l	5	07/09/18 13:45
Nickel, Total	240	4.0	ug/l	5	07/09/18 13:45
Selenium, Total	52	0.40	ug/l	1	07/09/18 16:42
Thallium, Total	260	1.0	ug/l	5	07/09/18 13:45
Vanadium, Total	48	0.50	ug/l	1	07/09/18 16:42
Method: EPA 245.1	Batch ID: W8G0479	Instr: HG03	Prepared: 07/10/18 11:06	Analyst: gza	
Mercury, Total	8.6	0.25	ug/l	5	07/11/18 12:17

### Volatile Organic Compounds by P&T and GC/MS

Method: EPA 524.2	Batch ID: W8G0346	Instr: GCMS12	Prepared: 07/06/18 15:00	Analyst: enf	
Bromodichloromethane	20	0.50	ug/l	1	07/07/18 01:13
Bromoform	22	0.50	ug/l	1	07/07/18 01:13
Chloroform	19	0.50	ug/l	1	07/07/18 01:13
Dibromochloromethane	20	0.50	ug/l	1	07/07/18 01:13
THMs, Total	81	0.50	ug/l	1	07/07/18 01:13
Surrogate(s)					
1,2-Dichlorobenzene-d4	94% Conc: 9.36	70-130			07/07/18 01:13
4-Bromofluorobenzene	94% Conc: 9.39	70-130			07/07/18 01:13



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## Sample Results

(Continued)

Sample: Post-Single Filter Pitcher  
8E24076-02 (Water)

Sampled: 07/05/18 13:00 by Joe Chau

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
<b>Anions by IC, EPA Method 300.0</b>						
Method: EPA 300.0	Batch ID: W8G0265	Instr: LC12	Prepared: 07/05/18 14:00	Analyst: jan		
Fluoride, Total	0.14	0.10	mg/l	1	07/06/18 06:37	98.6%
Nitrate as N	250	110	ug/l	1	07/06/18 06:37	97.7%
Nitrite as N	1600	150	ug/l	1	07/06/18 06:37	85.45%
<b>Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods</b>						
Method: SM 4500Cl-G	Batch ID: W8G0255	Instr: UVVIS04	Prepared: 07/05/18 12:42	Analyst: ajk		
Chlorine Residual, Free	ND	0.050	mg/l	1	07/05/18 16:47	*
<b>Metals by EPA 200 Series Methods</b>						
Method: EPA 200.8	Batch ID: W8G0398	Instr: ICPMS05	Prepared: 07/09/18 10:21	Analyst: jea		
Antimony, Total	100	2.5	ug/l	5	07/09/18 13:50	60%
Arsenic, Total	8.3	0.40	ug/l	1	07/09/18 14:02	96.8%
Barium, Total	2.8	0.50	ug/l	1	07/09/18 14:02	98.8%
Cadmium, Total	0.47	0.10	ug/l	1	07/09/18 14:02	99.8%
Chromium, Total	2.4	0.20	ug/l	1	07/09/18 16:45	95.1%
Cobalt, Total	0.20	0.10	ug/l	1	07/09/18 14:02	99.9%
Copper, Total	0.52	0.50	ug/l	1	07/09/18 14:02	99.7%
Lead, Total	0.24	0.20	ug/l	1	07/09/18 14:02	99.9%
Molybdenum, Total	58	0.10	ug/l	1	07/09/18 14:02	75.8%
Nickel, Total	ND	0.80	ug/l	1	07/09/18 14:02	
Selenium, Total	55	0.40	ug/l	1	07/09/18 16:45	
Thallium, Total	ND	0.20	ug/l	1	07/09/18 14:02	
Vanadium, Total	7.6	0.50	ug/l	1	07/09/18 16:45	84.1%
Method: EPA 245.1	Batch ID: W8G0479	Instr: HG03	Prepared: 07/10/18 11:06	Analyst: gza		
Mercury, Total	ND	0.050	ug/l	1	07/11/18 11:37	
<b>Volatile Organic Compounds by P&amp;T and GC/MS</b>						
Method: EPA 524.2	Batch ID: W8G0346	Instr: GCMS12	Prepared: 07/06/18 15:00	Analyst: enf		
Bromodichloromethane	ND	0.50	ug/l	1	07/07/18 00:36	
Bromoform	ND	0.50	ug/l	1	07/07/18 00:36	
Chloroform	6.5	0.50	ug/l	1	07/07/18 00:36	65.8%
Dibromochloromethane	ND	0.50	ug/l	1	07/07/18 00:36	
THMs, Total	6.5	0.50	ug/l	1	07/07/18 00:36	91.9%
Surrogate(s)						
1,2-Dichlorobenzene-d4	89% Conc: 8.90	70-130			07/07/18 00:36	
4-Bromofluorobenzene	92% Conc: 9.17	70-130			07/07/18 00:36	

8E24076

Page 4 of 10





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## Notes and Definitions

Item	Definition
*	The recommended holding time for this analysis is only 15 minutes. The sample was analyzed as soon as it was possible but it was received and analyzed past holding time.
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
Dil	Dilution
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
% Rec	Percent Recovery
Source	Sample that was matrix spiked or duplicated.
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ) and Detection Limit for Reporting (DLR)
MDA	Minimum Detectable Activity
NR	Not Reportable
TIC	Tentatively Identified Compound (TIC) using mass spectrometry. The reported concentration is relative concentration based on the nearest internal standard. If the library search produces no matches at, or above 85%, the compound is reported as unknown.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

An Absence of Total Coliform meets the drinking water standards as established by the California State Water Resources Control Board (SWRCB)

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS 002.