FGL ENVIRONMENTAL

Analytical Chemists
April 22, 2011

Seychelle Water Filtration Products
32963 Calle Perfecto
San Juan Capistrano, CA 92675

Lab ID : SP 1103577
Customer : 2-23748

Laboratory Report

Introduction: This report package contains total of 5 pages divided into 3 sections:

Case Narrative	(2 pages)	: An overview of the work performed at FGL.
Sample Results	(2 pages)	: Results for each sample submitted.
Quality Control	(1 page)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
Bottle 1st Uranium Portion	04/07/2011	04/11/2011	SP 1103577-001	DW
Bottle 2nd Uranium Portion	04/07/2011	04/11/2011	SP 1103577-002	DW

Sampling and Receipt Information: All samples were received, prepared and analyzed within the method specified holding times. All samples arrived at room temperature. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Radio QC

900.0	04/20/2011:205836 All analysis quality controls are within established criteria.
	04/19/2011:204213 All preparation quality controls are within established criteria, except: The following note applies to Gross Beta: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
903.0	04/19/2011:205787 All analysis quality controls are within established criteria.
	04/18/2011:204162 All preparation quality controls are within established criteria.
908.0	04/16/2011:205547 All analysis quality controls are within established criteria.
	04/16/2011:205548 All analysis quality controls are within established criteria.
	04/15/2011:204077 All preparation quality controls are within established criteria.

ENVIRONMENTAL

Analytical Chemists

April 22, 2011

Lab ID : SP 1103577-002
Customer ID : 2-23748

Seychelle Water Filtration Products
32963 Calle Perfecto
San Juan Capistrano, CA 92675

Sampled On : April 7, 2011-00:00
Sampled By : Not Available
Received On : April 11, 2011-10:15
Matrix : Drinking Water

Description : Bottle 2nd Uranium Portion
Project : Seychelle

Sample Result - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	Sample Preparation Method	Sample Preparation Date/ID	Sample Analysis Method	Sample Analysis Date/ID
Radio Chemistry[P,1]								
Gross Beta	0.000 ± 0.991	1.86	pCi/L	50	900.0	04/19/11:204213	900.0	04/20/11:205836
Total Alpha Radium (226)	0.000 ± 0.877	1.65	pCi/L	3	903.0	04/18/11:204162	903.0	04/19/11:205787
Uranium	0.000 ± 2.19	1.90	pCi/L	20	908.0	04/15/11:204077	908.0	04/16/11:205548

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: HNO3 pH < 2 * PQL adjusted for dilution.

MDA = Minimum Detectable Activity (Calculated at the 95% confidence level) = Data utilized by DHS to determine matrix interference.
MCL / AL = Maximum Contamination Level / Action Level. Alpha's Action Level of 5 pCi/L is based on the Assigned Value (AV).
AV = (Gross Alpha Result + (0.84 x Error)). CCR Section 64442: Drinking Water Compliance Note: Do the following
If Gross Alpha's (AV) exceeds 5 pCi/L run Uranium. If Gross Alpha's (AV) minus Uranium exceeds 5 pCi/L run Radium 226.

Drinking Water Compliance:
Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L
Uranium is less than or equal to 20 pCi/L
Radium 226 + Radium 228 is less than or equal to 5 pCi/L

Note: Samples are held for 3-6 months prior to disposal.

Note: Cs-137 utilized in Gross Beta Radioactivity removal test.
In each portion of Cs-137 added 100% was removed.
Michel M. Franco, Radiochemistry Technical Advisor

FGL ENVIRONMENTAL

ANALYTICAL CHEMISTS

GENERAL MINERAL, PHYSICAL, INORGANIC, & RADIOLOGICAL CHEMICAL ANALYSES

Date of Report: July 3, 1996 Sample ID No. SP 605173-01
Laboratory Name: FGL Environmental Signature Lab Director:
Name of Sampler: Paul Mead Employed By: Environmental Svcs
Date/time Sample Collected: 06/26/1996-1000 Date/Time Sample Rec. @ Lab: 06/21/1996-1000 Date Analyses Completed: 06/28/1996

System Name: CTL ENVIRONMENTAL SERVICES System Number:

Name or Number of Sample Source: 49606151-3 (Un-Filtered)

User ID: Station Number:
Date/Time of Sample: 9 6 0 6 2 6 1 0 0 0 (Y Y M M D D T T T T) Laboratory Code: 5 8 6 7
Submitted by: FGL Environmental Phone #(805) 659-0910

RADIOLOGICAL CHEMICALS

MCL	UNITS	CHEMICAL	ENTRY	RESULT	DLR
	pCi/L	Radon 222	82303	540	
	pCi/L	Radon 222 Counting Error	82302	± 30	

BEFORE

Name or Number of Sample Source: 49606151-4 (Filtered)

User ID: Station Number:
Date/Time of Sample: 9 6 0 6 2 6 1 0 0 0 (Y Y M M D D T T T T) Laboratory Code: 5 8 6 7
Submitted by: FGL Environmental Phone #(805) 659-0910

RADIOLOGICAL CHEMICALS

MCL	UNITS	CHEMICAL	ENTRY	RESULT	DLR
	pCi/L	Radon 222	82303	0.0	
	pCi/L	Radon 222 Counting Error	82302	± 10	

AFTER

MCL - Maximum Contaminate Level DLR - Detection Limit for Reporting purposes ND - Not Detected at or above DLR
+ Indicates Secondary Drinking Water Standards

Corporate Offices & Laboratory
PO Box 272 / 453 Corporation Street
Santa Paula, CA 93061-0272
TEL: 805/659-0910
FAX: 805/525-4172

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: 209/942-0181
FAX: 209/942-0423

Field Office
Visalia, CA
TEL: 209/734-6473
FAX: 209/734-8435
Mobile: 209/737-2399

JAPAN

B-WELL CO.,LTD

Seychelle Radiological Water Pitcher

● Pitcher Specification

Height	270mm	Pitcher	ABS resin
Width	280mm	Lit	ABS resin
Depth	135mm	Handle	ABS resin
Weight	810.5g	Filter	See below
Capacity	3.78L	Origin	USA
Filtering Capability	567L		

Reference:
■EPA / ANSI Approval
■NSF Standard #42 and #53

● Filter Specification

Water Filtration Capability		1000L	Filtration Capability	National Regulated Element※A	Filtration Capability	Filtration Volume	Remarks
Pitcher Size		3.78L		Free Residual Chlorine	BDL	567L	% Equivalent to JIS S3201 test results
Filter Cartridge Capacity		?L		Cloud	85.60%		50% of JIS S3201 test results
Mineral Addition		None		Trihalomethane	99.80%		% equivalent to JIS S3201 test results ※B
Cartridge Size	Height	90mm		Chloroform	98.52%		
	OD	96mm		Bromodichloromethane	99.80%		
	Depth	-		Dibromochloropropane	98.08%		
Cartridge Mass	Dry	146g		Bromoform	99.80%		
	Wet	156g		tetrachloroethylene	>99.60%		
Water Temp.		70 degree C		Trichloroethylene	99.20%		
Filtration Water Flow Rate		1L/6 min.		1.1.1 Trichloroethane	99.76%		
Filtration Time		10-15 Min.		CAT(Pesticide) ※C	N/A		
Filtration Life		5 Mo.		2-MIB(Mold Odor)※D	N/A		
Material	Pitcher	ABS resin		Dissoluble Lead	97.50%		
	Lid	ABS resin		Iron(particle)	98.20%		
Mineral Addition		None		Aluminum (neutral)	90.00%		
Filtration Method		Ionic-Adsorption Micro-Filtration System ™ (Charcoal, Ionic-Adsorption, Natural Mineral)					
Unfiltrable Element		Dissolved Iron, heavy metals (silver, copper etc.), salt water (seawater)					

※1日3.78L使用時

※A "Household Goods Quality Labeling Act" designated 13 substances and Japan Water Purifier Association designated 2 substances
※B JIS designated test number
※C CAT (Pesticide), Simazine ※C7H12ClN5
※D 2-MIB(Mold Odor) ・・・2-Methylisoborneol

Check above contents and make corrections if necessary

●If you find any mistake or incorrect information, please revise it.
●JIS3201 test number could be the same test with what you asked JFRL
(Please check)

April 22, 2011
Seychelle Water Filtration Products

Lab ID : SP 1103577
Customer : 2-23748

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio Beta	900.0	04/20/2011:205836	CCV CCB	cpm cpm	10150	92.9 % 0.3400	87 - 106 0.56	
Gross Beta	900.0	04/19/2011:204213 (SP 1103747-001)	Blank LCS MS MSD MSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	 46.13 92.26 92.26 300.7	0.93 107 % 47.6 % 53.3 % 10.5%	4 75-125 80-130 80-130 <30	 435 435
Alpha	903.0	04/19/2011:205787	CCV CCB	cpm cpm	10150	39.8 % 0.0500	38 - 46 0.15	
Total Alpha Radium (226)	903.0	04/18/2011:204162	RgBlk LCS BS BSD BSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	 18.16 20.89 20.89 20.89	0.1 66.3 % 55.1 % 44.6 % 21.1%	2 52-89 43-92 43-92 <35.5	
Alpha	908.0	04/16/2011:205547	CCV CCB	cpm cpm	10160	41.5 % 0.100	38 - 47 0.19	
	908.0	04/16/2011:205548	CCV CCB	cpm cpm	10160	43.7 % 0.100	38 - 47 0.15	
Uranium	908.0	04/15/2011:204077	RgBlk LRS BS BSD BSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	 20.86 20.86 20.86 20.86	0.32 74.8 % 93.3 % 90.2 % 3.4%	1 54-105 75-125 75-125 <20	

Definition

CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
RgBlk	: Method Reagent Blank - Prepared to correct for any reagent contributions to sample result.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
BS	: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
BSD	: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
BSRPD	: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

Explanation

435	: Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

FGL ENVIRONMENTAL

Analytical Chemists

April 22, 2011

Lab ID : SP 1103691-001
Customer ID : 2-23748

Seychelle Water Filtration Products
32963 Calle Perfecto
San Juan Capistrano, CA 92675

Sampled On : April 12, 2011-00:00
Sampled By : Not Available
Received On : April 12, 2011-10:30
Matrix : Drinking Water

Description : Pitcher Plus
Project : Seychelle

Sample Result - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	Sample Preparation Method	Sample Preparation Date/ID	Sample Analysis Method	Sample Analysis Date/ID
Radio Chemistry								
Gross Beta	0.697 ± 1.64	2.51	pCi/L	50	900.0	04/19/11:204213	900.0	04/20/11:205836
Total Alpha Radium (226)	0.000 ± 0.398	0.824	pCi/L	3	903.0	04/18/11:204162	903.0	04/19/11:205787
Uranium	0.000 ± 0.681	0.475	pCi/L	20	908.0	04/15/11:204077	908.0	04/16/11:205544

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: N/A * PQL adjusted for dilution.

MDA = Minimum Detectable Activity (Calculated at the 95% confidence level) = Data utilized by DHS to determine matrix interference.
MCL / AL = Maximum Contamination Level / Action Level. Alpha's Action Level of 5 pCi/L is based on the Assigned Value (AV).
AV = (Gross Alpha Result + (0.84 x Error)). CCR Section 64442: Drinking Water Compliance Note: Do the following
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Drinking Water Compliance:
Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L
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Radium 226 + Radium 228 is less than or equal to 5 pCi/L

Note: Samples are held for 3-6 months prior to disposal.

Note: Cs-137 utilized in Gross Beta Radioactivity removal test.
In each portion of Cs-137 added 100% was removed.
Michel M. Franco, Radiochemistry Technical Advisor

QFT LABORATORY, LLC.
1041 Glassboro Road Suite E-4, Williamstown NJ 08094
PHONE 856-533-0445 www.enviroteklab.com
EPA ID # NJ01298 IAPMO ID# 000102 NJDEP ID # 08021 ANAB Cert ID AT-2866

NSF/ANSI Standard 53 VOC Reduction PT 200%: Passed

Sample Type: Research and Development

Product: Batch Filter

Flow Rate: 25 GPD

Filter Capacity: 125 gallons

Conditioning Procedures: Flush 1 gallon

Physical Description of Sample: Gravity Filter

Performance Indicator Device: No, test to 200% capacity

Test Description: NSF/ANSI Std. 53 – VOC Reduction Testing

Trade Designation/Model Number: Alkaline Filter

Unit Volume: 0.1 L

Performance Standard: NSF/ANSI Std 53 – 2019

Pass/Fail Criteria ($CHCl_3$ Maximum Product Water Concentration)**:** 15 µg/L

Decision Rule: Simple Acceptance based on the NSF/ANSI standard limit

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Filter #1 Data Summary Table (in µg/L)

Contaminant	Influent	Start	25 gallons	50 gallons	75 gallons	100 gallons	125 gallons	150 gallons	175 gallons	200 gallons	225 gallons	250 gallons	% Reduction
Vinylchloride	46.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.78%
Chloroethane	45.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.78%
Fluorotrichloromethane	44	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.77%
1,1-Dichloroethene	41.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.76%
Methylene Chloride	40.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.75%
trans-1,2-Dichloroethene	53.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.81%
MTBE	55.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.82%
1,1-Dichloroethane	52.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.81%
cis-1,2-Dichloroethane	54.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.82%
2,2-Dichloropropane	52.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.81%
Bromochloromethane	55	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.82%
Chloroform	53.4	<0.1	<0.1	<0.1	<0.1	<0.1	1	<0.1	<0.1	1.4	1.2	2.3	95.69%
Carbon Tetrachloride	52.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.81%
1,1,1-Trichloroethane	53.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.81%
1,1-Dichloropropane	51.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
Benzene	51.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
1,2-Dichloroethane	50.6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
Trichloroethene	47.6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.79%
1,2-Dichloropropane	47.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.79%
Bromodichloromethane	49	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
cis-1,3-Dichloropropene	49.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
Toluene	46.9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.79%
trans-1,3-chloropropene	49.9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
Tetrachloroethene	48.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.79%
1,1,2-Trichloroethane	49.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
Chlorodibromomethane	49.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
1,3-Dichloropropane	49	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
Chlorobenzene	49	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
Ethylbenzene	49.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
m and p- Xylene	48.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.79%
o-Xylene	49.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
Styrene	50.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
Bromoform	48.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.79%
Isopropylbenzene	47.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.79%
Bromobenzene	49.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
n-Propylbenzene	48.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.79%
1,1,2,2-Tetrachloroethane	49.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
2-Chlorotoluene	48	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.79%
1,3,5-Trimethylbenzene	48.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.79%
4-Chlorotonluene	47.9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.79%
Tert-Butylbenzene	47.8	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.79%
1,2,4-Trimethylbenzene	48.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.79%
sec-Butylbenzene	47.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.79%
1,3-Dichlorobenzene	48.9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
1,4-Dichlorobenzene	48.6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.79%
n-Butylbenzene	49	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
1,2-Dichlorobenzene	49.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
Hexachlorobutadiene	47.8	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.79%
1,2,4-Trichlorobenzene	50.9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
Naphthalene	48.8	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
1,2,3-Trichlorobenzene	46.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.78%

Reporting limit: 0.1 µg/L

QFT LABORATORY, LLC.
1041 Glassboro Road Suite E-4, Williamstown NJ 08094
PHONE 856-533-0445 www.enviroteklab.com
EPA ID # NJ01298 IAPMO ID# 000102 NJDEP ID # 08021 ANAB Cert ID AT-2866

PFOA Filter #1 Data Summary Table

Accumulated Volume Effluent 1	Influent 1 PFOA (µg/L)	Effluent 1 PFOA Concentration (µg/L)	% Reduction
10 UV	0.49	<0.01	97.96%
63 gallons	0.49	<0.01	97.96%
125 gallons	0.49	<0.01	97.96%
188 gallons	0.49	<0.01	97.96%
225 gallons	0.49	<0.01	97.96%
250 gallons	0.49	<0.01	97.96%

PFOA Reporting Limit: 0.01 µg/L

PFOS Filter #1 Data Summary Table

Accumulated Volume Effluent 1	Influent 1 PFOS (µg/L)	Effluent 1 PFOS Concentration (µg/L)	% Reduction
10 UV	0.99	<0.01	98.99%
63 gallons	0.99	<0.01	98.99%
125 gallons	0.99	<0.01	98.99%
188 gallons	0.99	<0.01	98.99%
225 gallons	0.99	<0.01	98.99%
250 gallons	0.99	<0.01	98.99%

PFOS Reporting Limit: 0.01 µg/L

PFOA & PFOS Data Summary Filter 1

Accumulated Volume Effluent 1	Influent Total PFOA + PFOS Concentration (µg/L)	Effluent 1 Total PFOA + PFOS Concentration (µg/L)	Passing Criteria
10 UV	1.48	<0.01	Passed
63 gallons	1.48	<0.01	Passed
125 gallons	1.48	<0.01	Passed
188 gallons	1.48	<0.01	Passed
225 gallons	1.48	<0.01	Passed
250 gallons	1.48	<0.01	Passed

Filter System Tested

Disclaimer: The test results are only related to the filter cartridges tested, in the condition received at the laboratory.

Jaime A. Young
Jaime A. Young
Lab Director

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NSF/ANSI Metals Reduction Test: Standard 53 (pH 6.5 and pH 8.5) and Standard 42 pH 7.0

Product: Batch Filter

Flow Rate: 25 GPD

Filter Capacity: 125 gallons

Conditioning Procedures: Flush 1 gallon

Physical Description of Sample: Gravity Filter

Performance Indicator Device: No, test to 200% capacity

Test Description: NSF/ANSI Std. 53 and 42 – Metals Reduction Testing pH 6.5 and pH 8.5

Trade Designation/Model Number: Alkaline Filter

Performance Standard: NSF/ANSI 53 and 42 – 2019

Pass/Fail Criteria: Passed

Decision Rule: Simple Acceptance based on the NSF/ANSI standard limit

Metals pH 6.5 Data Summary Table- Standard 53

Contaminant	Influent	10 UV	63 gallons	125 gallons	188 gallons	225 gallons	250 gallons	% Reduction	Pass/Fail	Passing Limit
Arsenic	49.9	3.9	5.6	5.4	1.6	<0.1	4.6	88.88%	Pass	<10 ug/L
Aluminum	294	2.4	11.3	3	3.6	4.7	13.2	95.51%	Pass	<200 ug/L
Barium	2000	18.4	5.9	61.4	155	199	167	90.05%	Pass	<2000 ug/L
Berylium	20	0.4	<0.1	<0.1	1.3	3.4	3.9	80.50%	Pass	<4 ug/L
Cadmium	27.4	2.5	<0.1	4.3	<0.1	4.5	1.9	83.58%	Pass	<5 ug/L
Chromium	289	11.4	1.4	1.7	2.1	0.4	1.8	96.06%	Pass	<100 ug/L
Copper	2982	1.3	1.4	1.5	2	2.3	4	99.87%	Pass	<1300 ug/L
Mercury	6.1	1.1	<0.1	<0.1	<0.1	1.9	1.8	68.85%	Pass	<2 ug/L
Lead	151	1.7	0.4	<0.1	3.7	0.7	9.8	93.51%	Pass	10 ug/L

Metals pH 8.5 Data Summary Table- Standard 53

Contaminant	Influent	10 UV	63 gallons	125 gallons	188 gallons	225 gallons	250 gallons	% Reduction	Pass/Fail	Passing Limit
Arsenic	48.2	3	4	5.1	1.6	3.1	3.9	91.91%	Pass	<10 ug/L
Aluminum	194	2.5	12.9	8.7	5.5	11.5	30.4	84.33%	Pass	<200 ug/L
Barium	1998	5.9	12.6	6.7	4.2	22.9	354	82.28%	Pass	<2000 ug/L
Berylium	20	1.8	0.3	<0.1	1.9	2.5	3.7	81.50%	Pass	<4 ug/L
Cadmium	26.2	<0.1	<0.1	0.8	1.3	3.2	4.2	83.97%	Pass	<5 ug/L
Chromium	280	13.7	2.3	11	13.9	5.3	13.3	95.04%	Pass	<100 ug/L
Copper	2982	1.3	2	4.8	4.5	16	105	96.48%	Pass	<1300 ug/L
Mercury	6.2	0.9	0.2	1.4	0.2	1.6	1.9	69.35%	Pass	<2 ug/L
Lead	186	0.1	0.5	0.4	7.5	1.4	5.7	95.97%	Pass	<10 ug/L

Reporting Limit: 0.1 µg/L

Metals pH 7.0 Data Summary Table- Standard 42

Contaminant	Influent	10 UV	63 gallons	125 gallons	188 gallons	225 gallons	250 gallons	% Reduction	Pass/Fail	Passing Limit
Iron	2813	33.3	53.8	57.2	34.9	129	124	95.41%	Pass	<300 ug/L
Manganese	932	0.2	0.4	1.5	6	13.9	13.2	98.51%	Pass	<50 ug/L

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	Seychelle Water Filtration Products	**Service Request:**	K1905989
Project:	Water Filter Research	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	06/27/19 10:30
Sample Name:	Pitcher/Reservoir/filter (First Pass)	**Units:**	ng/L
Lab Code:	K1905989-001	**Basis:**	NA

Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Analysis Method: 537
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorobutane sulfonic acid (PFBS)	ND U	4.39	1.22	1	08/14/19 18:42	8/12/19	
Perfluorohexane sulfonic acid (PFHxS)	ND U	4.39	0.964	1	08/14/19 18:42	8/12/19	
Perfluorooctane sulfonic acid (PFOS)	ND U	4.39	1.20	1	08/14/19 18:42	8/12/19	
Perfluorohexanoic acid (PFHxA)	ND U	4.39	1.54	1	08/14/19 18:42	8/12/19	
Perfluoroheptanoic acid (PFHpA)	ND U	4.39	1.36	1	08/14/19 18:42	8/12/19	
Perfluorooctanoic acid (PFOA)	ND U	4.39	1.28	1	08/14/19 18:42	8/12/19	
Perfluorononanoic acid (PFNA)	ND U	4.39	1.02	1	08/14/19 18:42	8/12/19	
Perfluorodecanoic acid (PFDA)	ND U	4.39	1.20	1	08/14/19 18:42	8/12/19	
Perfluoroundecanoic acid (PFUnDA)	ND U	4.39	0.580	1	08/14/19 18:42	8/12/19	
Perfluorododecanoic acid (PFDoDA)	ND U	4.39	0.901	1	08/14/19 18:42	8/12/19	
Perfluorotridecanoic acid (PFTrDA)	ND U	4.39	1.20	1	08/14/19 18:42	8/12/19	
Perfluorotetradecanoic acid (PFTeDA)	ND U	4.39	0.939	1	08/14/19 18:42	8/12/19	
N-Methyl perfluorooctane sulfonamidoacetic acid	ND U	4.39	1.21	1	08/14/19 18:42	8/12/19	
N-Ethyl perfluorooctane sulfonamidoacetic acid	ND U	4.39	0.994	1	08/14/19 18:42	8/12/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C2-PFHxA	103	70 - 130	08/14/19 18:42	
13C2-PFDA	116	70 - 130	08/14/19 18:42	
D5-EtFOSAA	97	70 - 130	08/14/19 18:42	

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Analytical Report

Client:	Seychelle Water Filtration Products	**Service Request:**	K1905989
Project:	Water Filter Research	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	06/27/19 10:30
Sample Name:	Pitcher/Reservoir/filter Blank (First Pass)	**Units:**	ng/L
Lab Code:	K1905989-002	**Basis:**	NA

Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Analysis Method: 537
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorobutane sulfonic acid (PFBS)	ND U	4.39	1.22	1	08/14/19 19:04	8/12/19	
Perfluorohexane sulfonic acid (PFHxS)	ND U	4.39	0.964	1	08/14/19 19:04	8/12/19	
Perfluorooctane sulfonic acid (PFOS)	ND U	4.39	1.20	1	08/14/19 19:04	8/12/19	
Perfluorohexanoic acid (PFHxA)	ND U	4.39	1.54	1	08/14/19 19:04	8/12/19	
Perfluoroheptanoic acid (PFHpA)	ND U	4.39	1.36	1	08/14/19 19:04	8/12/19	
Perfluorooctanoic acid (PFOA)	ND U	4.39	1.28	1	08/14/19 19:04	8/12/19	
Perfluorononanoic acid (PFNA)	ND U	4.39	1.02	1	08/14/19 19:04	8/12/19	
Perfluorodecanoic acid (PFDA)	ND U	4.39	1.20	1	08/14/19 19:04	8/12/19	
Perfluoroundecanoic acid (PFUnDA)	ND U	4.39	0.580	1	08/14/19 19:04	8/12/19	
Perfluorododecanoic acid (PFDoDA)	ND U	4.39	0.901	1	08/14/19 19:04	8/12/19	
Perfluorotridecanoic acid (PFTrDA)	ND U	4.39	1.20	1	08/14/19 19:04	8/12/19	
Perfluorotetradecanoic acid (PFTeDA)	ND U	4.39	0.939	1	08/14/19 19:04	8/12/19	
N-Methyl perfluorooctane sulfonamidoacetic acid	ND U	4.39	1.21	1	08/14/19 19:04	8/12/19	
N-Ethyl perfluorooctane sulfonamidoacetic acid	ND U	4.39	0.994	1	08/14/19 19:04	8/12/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C2-PFHxA	101	70 - 130	08/14/19 19:04	
13C2-PFDA	105	70 - 130	08/14/19 19:04	
D5-EtFOSAA	96	70 - 130	08/14/19 19:04	

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Analytical Report

Client:	Seychelle Water Filtration Products	**Service Request:**	K1905989
Project:	Water Filter Research	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	06/27/19 10:30
Sample Name:	Bottle/filter set (First Pass)	**Units:**	ng/L
Lab Code:	K1905989-003	**Basis:**	NA

Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Analysis Method: 537
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorobutane sulfonic acid (PFBS)	ND U	4.31	1.22	1	08/14/19 19:15	8/12/19	
Perfluorohexane sulfonic acid (PFHxS)	ND U	4.31	0.964	1	08/14/19 19:15	8/12/19	
Perfluorooctane sulfonic acid (PFOS)	ND U	4.31	1.20	1	08/14/19 19:15	8/12/19	
Perfluorohexanoic acid (PFHxA)	ND U	4.31	1.54	1	08/14/19 19:15	8/12/19	
Perfluoroheptanoic acid (PFHpA)	ND U	4.31	1.36	1	08/14/19 19:15	8/12/19	
Perfluorooctanoic acid (PFOA)	ND U	4.31	1.28	1	08/14/19 19:15	8/12/19	
Perfluorononanoic acid (PFNA)	ND U	4.31	1.02	1	08/14/19 19:15	8/12/19	
Perfluorodecanoic acid (PFDA)	ND U	4.31	1.20	1	08/14/19 19:15	8/12/19	
Perfluoroundecanoic acid (PFUnDA)	ND U	4.31	0.580	1	08/14/19 19:15	8/12/19	
Perfluorododecanoic acid (PFDoDA)	ND U	4.31	0.901	1	08/14/19 19:15	8/12/19	
Perfluorotridecanoic acid (PFTrDA)	ND U	4.31	1.20	1	08/14/19 19:15	8/12/19	
Perfluorotetradecanoic acid (PFTeDA)	ND U	4.31	0.939	1	08/14/19 19:15	8/12/19	
N-Methyl perfluorooctane sulfonamidoacetic acid	ND U	4.31	1.21	1	08/14/19 19:15	8/12/19	
N-Ethyl perfluorooctane sulfonamidoacetic acid	ND U	4.31	0.994	1	08/14/19 19:15	8/12/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C2-PFHxA	100	70 - 130	08/14/19 19:15	
13C2-PFDA	117	70 - 130	08/14/19 19:15	
D5-EtFOSAA	90	70 - 130	08/14/19 19:15	

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Analytical Report

Client:	Seychelle Water Filtration Products	**Service Request:**	K1905989
Project:	Water Filter Research	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	06/27/19 10:30
Sample Name:	Bottle/filter set Blank (First Pass)	**Units:**	ng/L
Lab Code:	K1905989-004	**Basis:**	NA

Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Analysis Method: 537
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorobutane sulfonic acid (PFBS)	ND U	4.31	1.22	1	08/14/19 19:37	8/12/19	
Perfluorohexane sulfonic acid (PFHxS)	ND U	4.31	0.964	1	08/14/19 19:37	8/12/19	
Perfluorooctane sulfonic acid (PFOS)	ND U	4.31	1.20	1	08/14/19 19:37	8/12/19	
Perfluorohexanoic acid (PFHxA)	ND U	4.31	1.54	1	08/14/19 19:37	8/12/19	
Perfluoroheptanoic acid (PFHpA)	ND U	4.31	1.36	1	08/14/19 19:37	8/12/19	
Perfluorooctanoic acid (PFOA)	ND U	4.31	1.28	1	08/14/19 19:37	8/12/19	
Perfluorononanoic acid (PFNA)	ND U	4.31	1.02	1	08/14/19 19:37	8/12/19	
Perfluorodecanoic acid (PFDA)	ND U	4.31	1.20	1	08/14/19 19:37	8/12/19	
Perfluoroundecanoic acid (PFUnDA)	ND U	4.31	0.580	1	08/14/19 19:37	8/12/19	
Perfluorododecanoic acid (PFDoDA)	ND U	4.31	0.901	1	08/14/19 19:37	8/12/19	
Perfluorotridecanoic acid (PFTrDA)	ND U	4.31	1.20	1	08/14/19 19:37	8/12/19	
Perfluorotetradecanoic acid (PFTeDA)	ND U	4.31	0.939	1	08/14/19 19:37	8/12/19	
N-Methyl perfluorooctane sulfonamidoacetic acid	ND U	4.31	1.21	1	08/14/19 19:37	8/12/19	
N-Ethyl perfluorooctane sulfonamidoacetic acid	ND U	4.31	0.994	1	08/14/19 19:37	8/12/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C2-PFHxA	106	70 - 130	08/14/19 19:37	
13C2-PFDA	122	70 - 130	08/14/19 19:37	
D5-EtFOSAA	92	70 - 130	08/14/19 19:37	

ALS Group USA, Corp.
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Analytical Report

Client:	Seychelle Water Filtration Products	**Service Request:**	K1905989
Project:	Water Filter Research	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ng/L
Lab Code:	KQ1911276-03	**Basis:**	NA

Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Analysis Method: 537
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorobutane sulfonic acid (PFBS)	ND U	5.00	1.22	1	08/14/19 18:09	8/12/19	
Perfluorohexane sulfonic acid (PFHxS)	ND U	5.00	0.964	1	08/14/19 18:09	8/12/19	
Perfluorooctane sulfonic acid (PFOS)	ND U	5.00	1.20	1	08/14/19 18:09	8/12/19	
Perfluorohexanoic acid (PFHxA)	ND U	5.00	1.54	1	08/14/19 18:09	8/12/19	
Perfluoroheptanoic acid (PFHpA)	ND U	5.00	1.36	1	08/14/19 18:09	8/12/19	
Perfluorooctanoic acid (PFOA)	ND U	5.00	1.28	1	08/14/19 18:09	8/12/19	
Perfluorononanoic acid (PFNA)	ND U	5.00	1.02	1	08/14/19 18:09	8/12/19	
Perfluorodecanoic acid (PFDA)	ND U	5.00	1.20	1	08/14/19 18:09	8/12/19	
Perfluoroundecanoic acid (PFUnDA)	ND U	5.00	0.580	1	08/14/19 18:09	8/12/19	
Perfluorododecanoic acid (PFDoDA)	ND U	5.00	0.901	1	08/14/19 18:09	8/12/19	
Perfluorotridecanoic acid (PFTrDA)	ND U	5.00	1.20	1	08/14/19 18:09	8/12/19	
Perfluorotetradecanoic acid (PFTeDA)	ND U	5.00	0.939	1	08/14/19 18:09	8/12/19	
N-Methyl perfluorooctane sulfonamidoacetic acid	ND U	5.00	1.21	1	08/14/19 18:09	8/12/19	
N-Ethyl perfluorooctane sulfonamidoacetic acid	ND U	5.00	0.994	1	08/14/19 18:09	8/12/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C2-PFHxA	107	70 - 130	08/14/19 18:09	
13C2-PFDA	120	70 - 130	08/14/19 18:09	
D5-EtFOSAA	98	70 - 130	08/14/19 18:09	

WECK LABORATORIES, INC.

Certificate of Analysis

SUPPLEMENTAL REPORT

Seychelle Water Filtration Products
22 Journey
Aliso Viejo, CA 92656

Project Number: Seychelle / Blanket

Project Manager: Carl Palmer

Reported: 07/30/2018 13:55

Sample Results

Sample: Pre Filter
8E24076-01 (Water)

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

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
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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WECK LABORATORIES, INC.

Certificate of Analysis

SUPPLEMENTAL REPORT

Seychelle Water Filtration Products
22 Journey
Aliso Viejo, CA 92656

Project Number: Seychelle / Blanket

Project Manager: Carl Palmer

Reported: 07/30/2018 13:55

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	% Reduction
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	**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	**85.5**
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	ND	0.050	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	**100**	2.5	ug/l	5	07/09/18 13:50	
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**
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**
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	
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	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	
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*	

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Certificate of Analysis

SUPPLEMENTAL REPORT

Seychelle Water Filtration Products
22 Journey
Aliso Viejo, CA 92656

Project Number: Seychelle / Blanket

Project Manager: Carl Palmer

Reported:
07/30/2018 13:55

Sample Results TestAmerica - Irvine ELAP #2706

Sample: Pre Filter
8E24076-01 (Water)

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

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
218.6							
Method: 218.6_Prs_DW_OF Chromium, Hexavalent (Ion Chrom	**Batch ID:** 488390		**Prepared:** 07/05/18 13:00				**Analyst:** MN
Chromium, hexavalent	**10**	0.25	1.0	ug/L	*1*	07/19/18	

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WECK LABORATORIES, INC.

Certificate of Analysis

SUPPLEMENTAL REPORT

Seychelle Water Filtration Products
22 Journey
Aliso Viejo, CA 92656

Project Number: Seychelle / Blanket
Project Manager: Carl Palmer

Reported:
07/30/2018 13:55

Sample Results TestAmerica - Irvine ELAP #2706

(Continued)

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

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

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	% Reduction
218.6							
Method: 218.6_Prs_DW_OF Chromium, Hexavalent (Ion Chrom	**Batch ID:** 488390		**Prepared:** 07/05/18 13:00				**Analyst:** MN
Chromium, hexavalent	**1.8**	0.25	1.0	ug/L	*1*	07/19/18	82

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ALS ENVIRONMENTAL

Client:	Bioclenze	**Service Request No.:**	K1607027
Project:	NA	**Date Received:**	06/24/16
Sample Matrix:	Water		

Case Narrative

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier I data deliverables. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Four water samples were received for analysis at ALS Environmental on 06/24/16. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4ºC upon receipt at the laboratory.

Perfluorinated Alkyl Acids by EPA Method 537

Surrogate Exceptions:
The upper control criterion was exceeded for Perfluoro-n-[1,2,3,4-13C4] octanoic acid and Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate in sample Site 2B due to suspected matrix interferences. Assuming the native analyte performed similar to the labeled analog, the effects on the reported results are minimal. No further corrective action was appropriate.

No other anomalies associated with the analysis of these samples were observed.

Approved by_____

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	Bioclenze	**Service Request:**	K1607027
Project:	PFOA/PFOS	**Date Collected:**	06/23/16 13:00
Sample Matrix:	Water	**Date Received:**	06/24/16 09:50
Sample Name:	Site 1A	**Units:**	ng/L
Lab Code:	K1607027-001	**Basis:**	NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorooctanoic Acid	ND U	1.8	1	07/09/16 10:33	6/30/16	
Perfluorooctane Sulfonate	ND U	4.5	1	07/09/16 10:33	6/30/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	87	13 - 142	07/09/16 10:33	
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	77	11 - 131	07/09/16 10:33	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	Bioclenze	**Service Request:**	K1607027
Project:	PFOA/PFOS	**Date Collected:**	06/23/16 13:00
Sample Matrix:	Water	**Date Received:**	06/24/16 09:50
Sample Name:	Site 1B	**Units:**	ng/L
Lab Code:	K1607027-002	**Basis:**	NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorooctanoic Acid	**1.9**	1.8	1	07/09/16 10:51	6/30/16	
Perfluorooctane Sulfonate	**4.9**	4.5	1	07/09/16 10:51	6/30/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	82	13 - 142	07/09/16 10:51	
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	80	11 - 131	07/09/16 10:51	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	Bioclenze	**Service Request:**	K1607027
Project:	PFOA/PFOS	**Date Collected:**	06/23/16 13:00
Sample Matrix:	Water	**Date Received:**	06/24/16 09:50
Sample Name:	Site 2A	**Units:**	ng/L
Lab Code:	K1607027-003	**Basis:**	NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorooctanoic Acid	**2.3**	1.9	1	07/09/16 11:09	6/30/16	
Perfluorooctane Sulfonate	**5.4**	4.6	1	07/09/16 11:09	6/30/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	82	13 - 142	07/09/16 11:09	
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	77	11 - 131	07/09/16 11:09	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	Bioclenze	**Service Request:**	K1607027
Project:	PFOA/PFOS	**Date Collected:**	06/23/16 13:00
Sample Matrix:	Water	**Date Received:**	06/24/16 09:50
Sample Name:	Site 2B	**Units:**	ng/L
Lab Code:	K1607027-004	**Basis:**	NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorooctanoic Acid	ND U	1.8	1	07/22/16 14:38	6/30/16	
Perfluorooctane Sulfonate	ND U	4.5	1	07/22/16 14:38	6/30/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	178	13 - 142	07/22/16 14:38	*
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	161	11 - 131	07/22/16 14:38	*

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	Bioclenze	**Service Request:**	K1607027
Project:	PFOA/PFOS	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ng/L
Lab Code:	KQ1607238-04	**Basis:**	NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result		MRL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorooctanoic Acid	ND	U	2.0	1	07/09/16 09:57	6/30/16	
Perfluorooctane Sulfonate	ND	U	5.0	1	07/09/16 09:57	6/30/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	79	13 - 142	07/09/16 09:57	
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	74	11 - 131	07/09/16 09:57	

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
DRINKING WATER LABORATORY
USEPA Region V Drinking Water Cert. No. MI00003
P.O. Box 30270
Lansing, MI 48909
TEL: (517) 335-8184
FAX: (517) 335-8562

Sample Number
LG20494

Official Laboratory Report

UNFILTERED

System Name/Owner:		WSSN/Pool ID:		
Collection Address:	1842 SPRINGFIELD,FLINT	Source:	Single Family Dwelling	
Collected By:	KYLE	Site Code:		
Township/Well#/Section:	//	Collector:	Private Citizen	
County:	Genesee	Date Collected:	03/04/2016	10:44
Sample Point:	CONTROL	Date Received:	03/04/2016	13:05
Water System:	Treated Public Distribution System	Purpose:	Water Quality Problem	

TESTING INFORMATION			REGULATORY INFORMATION			
Analyte Name	Result (mg/L)	Date Tested	RL (mg/L)	MCL/AL (mg/L)	Method	CAS #
Copper	0.25	03/11/2016	0.05	1.3	EPA 200.8	7440-50-8
Lead	0.046	03/11/2016	0.001	0.015	EPA 200.8	7439-92-1

The analyses performed by the MDEQ Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below:

Genesee County Health Dept.
630 South Saginaw
Flint, MI 48502-1540
810 257-3603

FILTERED **Sample Number**
LG20495

System Name/Owner:		WSSN/Pool ID:		
Collection Address:	1842 SPRINGFIELD,FLINT	Source:	Single Family Dwelling	
Collected By:	KYLE	Site Code:		
Township/Well#/Section:	//	Collector:	Private Citizen	
County:	Genesee	Date Collected:	03/04/2016	10:44
Sample Point:	NEW FILTER	Date Received:	03/04/2016	13:05
Water System:	Treated Public Distribution System	Purpose:	Water Quality Problem	

TESTING INFORMATION			REGULATORY INFORMATION			
Analyte Name	Result (mg/L)	Date Tested	RL (mg/L)	MCL/AL (mg/L)	Method	CAS #
Copper	Not detected	03/05/2016	0.05	1.3	EPA 200.8	7440-50-8
Lead	Not detected	03/05/2016	0.001	0.015	EPA 200.8	7439-92-1

The analyses performed by the MDEQ Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below:

Genesee County Health Dept.
630 South Saginaw
Flint, MI 48502-1540
810 257-3603

CAS# : Chemical Abstract Service Registry Number
MCL : Maximum Contaminant Level
AL : Action Level
RL : Reporting Limit

mg/L : milligrams / Liter (ppm)
ppm : parts per million
MPN : Most Probable Number
CFU : Colony Forming Unit

Laboratory Contacts
Drinking Water Unit Mgr: Julia Pieper
Systems Mgmt. Unit Mgr: George Krisztian