

**FQ Labs**

Tai Khan Laboratory Director 808-839-9444  
3170 Ualena St. Unit A  
Honolulu HI 96819

Account # 3201

USEPA Lab ID HI00924

NPDES ID # HI0110141 00

Study # 0077

Open Date 01/15/2019

Study Type WSCHEM

Close Date 03/01/2019

NELAC #	Component	Method Code	Method Description	Reported Value	AV or Study Mean	Assigned Value	Acceptance Limits Low	Acceptance Limits High	Performance Evaluation	Analysis Date
Part#55011	Lot#WS0077	WS NO <sub>3</sub> <sup>-</sup> , NO <sub>2</sub> <sup>-</sup> , F, PO <sub>4</sub> <sup>-3</sup> , and NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> 5 components					Invoice# 177126	Units mg/L		
1810	Nitrate as N	1727	EPA 300.0-1993	6.55	6.80	6.8	6.12	7.48	ACCEPT.	02/25/2019
1840	Nitrite as N	1727	EPA 300.0-1993	0.926	0.975	.975	.829	1.12	ACCEPT.	02/19/2019
1730	Fluoride	1727	EPA 300.0-1993	5.51	5.37	5.37	4.83	5.91	ACCEPT.	02/19/2019
1870	Orthophosphate as P	1727	EPA 300.0-1993	2.28	2.19	2.19	1.86	2.52	ACCEPT.	02/19/2019
1820	Nitrate and Nitrite as N	1727	EPA 300.0-1993	7.35	7.78	7.78	6.61	8.95	ACCEPT.	02/19/2019

Part#55011	Lot#WS0077	WS NO <sub>3</sub> <sup>-</sup> , NO <sub>2</sub> <sup>-</sup> , F, PO <sub>4</sub> <sup>-3</sup> , and NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> 5 components					Invoice# 177126	Units mg/L		
1810	Nitrate as N	1767	EPA 353.1-1978	5.97	6.80	6.8	6.12	7.48	NOT ACCEPT.	02/27/2019
1840	Nitrite as N	1769	EPA 353.2-1993	0.937	0.975	.975	.829	1.12	ACCEPT.	02/27/2019
1730	Fluoride	1754	EPA 340.3-1971	5.19	5.37	5.37	4.83	5.91	ACCEPT.	02/27/2019
1870	Orthophosphate as P	1780	EPA 365.3-1978	2.14	2.19	2.19	1.86	2.52	ACCEPT.	02/27/2019
1820	Nitrate and Nitrite as N	999	Calculation	6.91	7.78	7.78	6.61	8.95	ACCEPT.	02/27/2019

Part#55011	Lot#WS0077	WS NO <sub>3</sub> <sup>-</sup> , NO <sub>2</sub> <sup>-</sup> , F, PO <sub>4</sub> <sup>-3</sup> , and NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> 5 components					Invoice# 177126	Units mg/L		
1810	Nitrate as N	1769	EPA 353.2-1993	6.81	6.80	6.8	6.12	7.48	ACCEPT.	02/27/2019
1840	Nitrite as N	1769	EPA 353.2-1993	0.879	0.975	.975	.829	1.12	ACCEPT.	02/27/2019
1730	Fluoride	72	EPA 340.1	5.00	5.37	5.37	4.83	5.91	ACCEPT.	02/27/2019
1870	Orthophosphate as P	2181	4500-P-E	2.16	2.19	2.19	1.86	2.52	ACCEPT.	02/27/2019
1820	Nitrate and Nitrite as N	1769	EPA 353.2-1993	7.69	7.78	7.78	6.61	8.95	ACCEPT.	02/27/2019

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Samples were prepared and scored according to the principles outlined in the "The TNI Standard EL-V3-2009" and the current Fields of Proficiency Testing Tables, FoPTs.

All components are formulated and verified under Absolutes' NELAC scope ANAB Accreditation ISO 17043 (Cert.# AP-1543) as shown in blue font.

This report may be used in whole or in part by the participant. All results are confidential but limited to accreditation body or other participant requests!

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NELAC #	Component	Method Code	Method Description	Reported Value	AV or StudyMean	Assigned Value	Acceptance Limits Low	Acceptance Limits High	Performance Evaluation	Analysis Date
Part#55012	Lot#WS0077	WS Trace Elements		Amp 1				Invoice# 177126		Units ug/L
1005	Antimony	13	EPA 200.8	37.0	37.0	37	25.9	48.1	ACCEPT.	02/19/2019
1010	Arsenic	13	EPA 200.8	41.6	39.0	39	27.3	50.7	ACCEPT.	02/19/2019
1015	Barium	13	EPA 200.8	620	620	620	527	713	ACCEPT.	02/19/2019
1020	Beryllium	13	EPA 200.8	19.9	18.0	18	15.3	20.7	ACCEPT.	02/19/2019
1030	Cadmium	13	EPA 200.8	38.3	37.0	37	29.6	44.4	ACCEPT.	02/19/2019
1040	Chromium	13	EPA 200.8	100	95.1	95.1	80.8	109	ACCEPT.	02/19/2019
1055	Copper	13	EPA 200.8	101	98.0	98	88.2	108	ACCEPT.	02/19/2019
1075	Lead	13	EPA 200.8	65.0	65.0	65	45.5	84.5	ACCEPT.	02/19/2019
1095	Total Mercury	13	EPA 200.8	8.79	8.90	8.9	6.23	11.6	ACCEPT.	02/19/2019
1105	Nickel	13	EPA 200.8	81.1	77.0	77	65.5	88.6	ACCEPT.	02/19/2019
1140	Selenium	13	EPA 200.8	31.2	29.0	29	23.2	34.8	ACCEPT.	02/19/2019
1165	Thallium	13	EPA 200.8	5.01	5.10	5.1	3.57	6.63	ACCEPT.	02/19/2019

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