

RESULTS OF WATER ANALYSIS

2 samples supplied by Richmond Valley Council on 9/07/2024. Lab Job No. R6314.

Samples submitted by Allison Hawthorne. Your Job: RVC Raw & Finished Quarterly.

Locked Bag 10 CASINO NSW 2470

Parameter	Methods reference	Sample 1	Sample 2
		RVC Finished	RVC Raw
	Job No.	R6314/1	R6314/2
PFOS/PFOA			
Perfluorobutanoic acid (PFBA) (µg/L)	Subcontracted: SGS report SE267991	<0.01	<0.01
Perfluoropentanoic acid (PFPeA) (µg/L)	Subcontracted: SGS report SE267991	<0.002	<0.002
Perfluorohexanoic acid (PFHxA) (µg/L)	Subcontracted: SGS report SE267991	<0.002	<0.002
Perfluoroheptanoic acid (PFHpA) (µg/L)	Subcontracted: SGS report SE267991	<0.002	<0.002
Perfluorooctanoic acid (PFOA) (µg/L)	Subcontracted: SGS report SE267991	<0.002	0.002
Perfluorononanoic acid (PFNA) (µg/L)	Subcontracted: SGS report SE267991	<0.004	0.005
Perfluorodecanoic acid (PFDA) (µg/L)	Subcontracted: SGS report SE267991	<0.004	<0.004
Perfluoroundecanoic acid (PFUnDA) (µg/L)	Subcontracted: SGS report SE267991	<0.004	<0.004
Perfluorododecanoic acid (PFDoDA) (µg/L)	Subcontracted: SGS report SE267991	<0.004	<0.004
Perfluorotetradecanoic acid (PFTeDA) (µg/L)	Subcontracted: SGS report SE267991	<0.004	<0.004
Perfluorotridecanoic acid (PFTrDA) (µg/L)	Subcontracted: SGS report SE267991	<0.004	<0.004
Perfluoropropane sulfonic acid (PFPrS) (µg/L)	Subcontracted: SGS report SE267991	<0.004	<0.004
Perfluorobutane sulfonic acid (PFBS) (µg/L)	Subcontracted: SGS report SE267991	<0.004	<0.004
Perfluorohexane sulfonic acid (PFHxS) (µg/L)	Subcontracted: SGS report SE267991	<0.002	<0.002
Perfluoropentane sulfonic acid (PFPeS) (µg/L)	Subcontracted: SGS report SE267991	<0.004	<0.004
Perfluoroheptane sulfonic acid (PFHpS) (µg/L)	Subcontracted: SGS report SE267991	<0.002	<0.002
Perfluorooctane sulfonic acid (PFOS) (µg/L)	Subcontracted: SGS report SE267991	<0.002	<0.002
Perfluorononane sulfonic acid (PFNS) (µg/L)	Subcontracted: SGS report SE267991	<0.002	<0.002
Perfluorodecane sulfonic acid (PFDS) (µg/L)	Subcontracted: SGS report SE267991	<0.002	<0.002
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS) (µg/L)	Subcontracted: SGS report SE267991	<0.005	<0.005
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS) (µg/L)	Subcontracted: SGS report SE267991	<0.005	<0.005
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS) (µg/L)	Subcontracted: SGS report SE267991	<0.005	<0.005
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS) (µg/L)	Subcontracted: SGS report SE267991	<0.005	<0.005
Perfluorooctane sulfonamide (FOSA) (µg/L)	Subcontracted: SGS report SE267991	<0.008	<0.008
N-Methylperfluorooctane sulfonamide (N-MeFOSA) (µg/L)	Subcontracted: SGS report SE267991	<0.01	<0.01
N-Ethylperfluorooctane sulfonamide (N-EtFOSA) (µg/L)	Subcontracted: SGS report SE267991	<0.01	<0.01
N-Methylperfluorooctanesulfonamidoacetic acid (N-MeFOSAA) (µg/L)	Subcontracted: SGS report SE267991	<0.01	<0.01
N-Ethylperfluorooctanesulfonamidoacetic acid (N-EtFOSAA) (µg/L)	Subcontracted: SGS report SE267991	<0.01	<0.01
2-(N-Methylperfluorooctane sulfonamido)-ethanol (N-MeFOSE) (µg/L)	Subcontracted: SGS report SE267991	<0.01	<0.01
2-(N-Ethylperfluorooctane sulfonamido)-ethanol (N-EtFOSE) (µg/L)	Subcontracted: SGS report SE267991	<0.01	<0.01
Sum of PFOS and PFHxS (µg/L)	Subcontracted: SGS report SE267991	<0.002	<0.002
Sum of enHealth PFAS (PFHxS+PFOS+PFOA) (µg/L)	Subcontracted: SGS report SE267991	<0.002	0.002
Sum of US EPA PFAS (PFOS+PFOA) (µg/L)	Subcontracted: SGS report SE267991	<0.002	0.002
Sum of Positive PFAS (µg/L)	Subcontracted: SGS report SE267991	<0.001	0.007

Notes:

- Total metals - samples digested with nitric acid; Total available (acid soluble/ extractable) metals - samples acidified with nitric acid to pH <2
Dissolved metals - samples filtered through 0.45µm cellulose acetate and then acidified with nitric acid prior to analysis
- Metals and salts analysed by Inductively Coupled Plasma - Mass Spectrometry (ICP-MS).
- 1 mg/L (milligram per litre) = 1 ppm (part per million) = 1000 µg/L (micrograms per litre) = 1000 ppb (part per billion).
- For conductivity 1 dS/m = 1 mS/cm = 1000 µS/cm.
- Analysis performed according to APHA (2017) 'Standard Methods for the Examination of Water & Wastewater', 23rd Edition, except where stated otherwise.
- Analysis conducted between sample arrival date and reporting date.
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