

CERTIFICATE OF ANALYSIS

Batch No:	21-35401	<i>Page</i>	Page 1 of 3
<i>Final Report</i>	906798	<i>Laboratory</i>	Scoresby Laboratory
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<i>PO No:</i>	PU100316	<i>Date Sampled:</i>	13-Jul-2021
<i>Sampler Name:</i>		<i>Date Samples Received:</i>	16-Jul-2021
<i>ALS Program Ref:</i>	EAL	<i>Date Issued:</i>	21-Jul-2021
<i>Program Description:</i>	Analysis for EAL		
<i>Client Ref:</i>	Analysis		

The hash (#) below indicates methods not covered by NATA accreditation in the performance of this service.

Analysis	Method	Laboratory	Analysis	Method	Laboratory
BTEXN	WP074	Scoresby	CHC	WP084	Scoresby
HVOL	WP074	Scoresby	PAH	WP075B	Scoresby
TOC (SFA)	WP005SF 002SF	Scoresby	TRH F2	# WP071	Scoresby
TRH & TPH (>C10)	WP071	Scoresby	TRH (C6-C10) & F1	WP074 (F1 not NATA)	Scoresby

TOC is analysed as NPOC and VOCs if present may be compromised when removing inorganic carbon .

Signatories

Name	Title	Name	Title
Chatura Perera	Team Leader Nutrients	Hao Zhang	Team Leader Organics
Kosta Christopoulos	Deputy Team Leader Organics	Kosta Christopoulos	Chemist/Analyst

Samples not collected by ALS and are tested as received.

Soil microbiological testing was commenced within 4 days from the day collected unless otherwise stated.

Water microbiological testing was commenced on the day received and within 24 hours of sampling unless otherwise stated.

MM524: Plate count results <10 per mL and >300 per mL are deemed as approximate.

MM526: Plate count results <2,500 per mL and >250,000 per mL are deemed as approximate.

Calculated results are based on raw data.

Legionella species refers to Legionella species other than Legionella pneumophila

Measurement Uncertainties values for your compliance results are available at this link

Samples are tested within holding time unless otherwise stated.



Accreditation No. 992
Accredited for compliance with
ISO/IEC 17025 - Testing

The report shall not be reproduced,
except in full and results relate only to
the items tested.



Sample No	Site Code	Site Description	Sample Type	Sampled Date/Time
7086096		21Jul-0195	WATER	13/07/21 09:38
7086097		21Jul-0196	WATER	13/07/21 09:51
7086098		21Jul-0197	WATER	13/07/21 09:46
7086099		21Jul-0198	WATER	13/07/21 09:32

Analysis - Analyte	Sample No. Site Code Units	7086096	7086097	7086098	7086099
TOC (SFA) - Total Organic Carbon	mg/L	10			12
BTEXN - Benzene	mg/L		<0.001	<0.001	
BTEXN - Toluene	mg/L		<0.001	<0.001	
BTEXN - Ethyl Benzene	mg/L		<0.001	<0.001	
BTEXN - Total Xylenes	mg/L		<0.002	<0.002	
TRH (C6-C10) & F1 - TPH C6-C9	mg/L		<0.1	<0.1	
TRH (C6-C10) & F1 - TRH C6-C10	mg/L		<0.1	<0.1	
TRH (C6-C10) & F1 - TRH C6-C10 minus BTEX	mg/L		<0.1	<0.1	
TRH F2 - TRH>C10-C16 minus Naphthalene	mg/L		<0.1	<0.1	
TRH & TPH (>C10) - TPH C10-C14	mg/L		<0.1	<0.1	
TRH & TPH (>C10) - TPH C15-C28	mg/L		0.4	<0.1	
TRH & TPH (>C10) - TPH C29-C36	mg/L		0.2	<0.1	
TRH & TPH (>C10) - Sum of TPH C10-C36	mg/L		0.6	<0.1	
TRH & TPH (>C10) - TRH>C10-C16	mg/L		<0.1	<0.1	
TRH & TPH (>C10) - TRH>C16-C34	mg/L		0.5	<0.1	
TRH & TPH (>C10) - TRH>C34-C40	mg/L		<0.1	<0.1	
TRH & TPH (>C10) - Sum of TRH>C10-C40	mg/L		0.5	<0.1	
PAH - Naphthalene	mg/L		<0.001	<0.001	
PAH - Acenaphthylene	mg/L		<0.001	<0.001	
PAH - Acenaphthene	mg/L		<0.001	<0.001	
PAH - Fluorene	mg/L		<0.001	<0.001	
PAH - Phenanthrene	mg/L		<0.001	<0.001	
PAH - Anthracene	mg/L		<0.001	<0.001	
PAH - Fluoranthene	mg/L		<0.001	<0.001	
PAH - Pyrene	mg/L		<0.001	<0.001	
PAH - Benz(a)anthracene	mg/L		<0.001	<0.001	
PAH - Chrysene	mg/L		<0.001	<0.001	
PAH - Benzo(b)fluoranthene	mg/L		<0.001	<0.001	
PAH - Benzo(k)fluoroanthene	mg/L		<0.001	<0.001	
PAH - Benzo(a)pyrene	mg/L		<0.001	<0.001	
PAH - Dibenz(a,h)anthracene	mg/L		<0.001	<0.001	
PAH - Benzo(g,h,i)perylene	mg/L		<0.001	<0.001	
PAH - Indeno(1,2,3-cd)pyrene	mg/L		<0.001	<0.001	
PAH - Total PAH	mg/L		<0.001	<0.001	
CHC - 1,2,3,4-Tetrachlorobenzene	mg/L	<0.001			<0.001
CHC - 1,2,3,5-Tetrachlorobenzene	mg/L	<0.001			<0.001
CHC - 1,2,3-Trichlorobenzene	mg/L	<0.001			<0.001
CHC - 1,2,4,5-Tetrachlorobenzene	mg/L	<0.001			<0.001
CHC - 1,2,4-Trichlorobenzene	mg/L	<0.001			<0.001
CHC - 1,2-Dichlorobenzene	mg/L	<0.001			<0.001
CHC - 1,3,5-Trichlorobenzene	mg/L	<0.001			<0.001
CHC - 1,3-Dichlorobenzene	mg/L	<0.001			<0.001
CHC - 1,4-Dichlorobenzene	mg/L	<0.001			<0.001
CHC - 2-Chloronaphthalene	mg/L	<0.001			<0.001
CHC - Benzal Chloride	mg/L	<0.001			<0.001
CHC - Benzotrichloride	mg/L	<0.001			<0.001
CHC - Benzylchloride	mg/L	<0.001			<0.001
CHC - Hexachloroethane	mg/L	<0.001			<0.001



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7086098		21Jul-0197	WATER	13/07/21 09:46
7086099		21Jul-0198	WATER	13/07/21 09:32

		7086096	7086097	7086098	7086099
CHC - Hexachlorobutadiene	mg/L	<0.001			<0.001
CHC - Hexachlorocyclopentadiene	mg/L	<0.001			<0.001
CHC - Pentachlorobenzene	mg/L	<0.001			<0.001
HVOL - 1,1,1,2-Tetrachloroethane	mg/L	<0.001			<0.001
HVOL - 1,1,2,2-Tetrachloroethane	mg/L	<0.001			<0.001
HVOL - 1,1-Dichloroethane	mg/L	<0.001			<0.001
HVOL - 1,1-Dichloroethene	mg/L	<0.001			<0.001
HVOL - 1,1-Dichloropropene	mg/L	<0.001			<0.001
HVOL - 1,2,3-Trichloropropane	mg/L	<0.001			<0.001
HVOL - 1,2-Dibromo-3-chloropropane	mg/L	<0.001			<0.001
HVOL - 1,2-Dibromoethane	mg/L	<0.001			<0.001
HVOL - 1,2-Dichloroethene [cis]	mg/L	<0.001			<0.001
HVOL - 1,2-Dichloroethene [trans]	mg/L	<0.001			<0.001
HVOL - 1,2-Dichloroethane	mg/L	<0.001			<0.001
HVOL - 1,2-Dichloropropane	mg/L	<0.001			<0.001
HVOL - 1,3-Dichloropropane	mg/L	<0.001			<0.001
HVOL - 1,3-Dichloropropene [cis]	mg/L	<0.001			<0.001
HVOL - 1,3-Dichloropropene [trans]	mg/L	<0.001			<0.001
HVOL - 2,2-Dichloropropane	mg/L	<0.001			<0.001
HVOL - 2-Chlorotoluene	mg/L	<0.001			<0.001
HVOL - 4-Chlorotoluene	mg/L	<0.001			<0.001
HVOL - Bromochloromethane	mg/L	<0.001			<0.001
HVOL - Bromodichloromethane	mg/L	<0.001			<0.001
HVOL - Bromobenzene	mg/L	<0.001			<0.001
HVOL - Bromoform (Tribromomethane)	mg/L	<0.001			<0.001
HVOL - Carbon Tetrachloride	mg/L	<0.001			<0.001
HVOL - Chloroform (Trichloromethane)	mg/L	<0.001			<0.001
HVOL - Chlorobenzene	mg/L	<0.001			<0.001
HVOL - Dibromochloromethane	mg/L	<0.001			<0.001
HVOL - Dibromomethane	mg/L	<0.001			<0.001
HVOL - Dichloromethane	mg/L	<0.002			<0.002
HVOL - Trichlorofluoromethane (CFC11)	mg/L	<0.002			<0.002
HVOL - Tetrachloroethene	mg/L	<0.001			<0.001
HVOL - Vinyl Chloride (Monomer)	mg/L	<0.002			<0.002
HVOL - 1,1,1-Trichloroethane	mg/L	<0.001			<0.001
HVOL - 1,1,2-Trichloroethane	mg/L	<0.001			<0.001
HVOL - Trichloroethene	mg/L	<0.001			<0.001

A blank space indicates no test performed.