

CERTIFICATE OF ANALYSIS

Batch No: 22-44240
Final Report 1879

Page 1 of 5

Client: Environmental and Analytical Laboratories
Contact: Mr. Michael Glazier
Address: -

Laboratory Address: Scoresby Laboratory
 Caribbean Business Park,
 22 Dalmore Drive,
 Scoresby,
 VIC 3179
Phone: 03 8756 8000
Fax: 03 9763 1862
Contact: Brad Snibson
 Client Manager
 Brad.Snibson@alsglobal.com

PO No: P0197464

Date Sampled: 13-Apr-2022

Sampler Name:

Date Samples Received: 12-May-2022

ALS Program Ref: EAL

Date Issued: 20-May-2022

Program Description: Analysis for EAL
Client Ref: 22Apr-0161-0164

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		

Samples not collected by ALS and are tested as received.
 Calculated results are based on raw data.

Samples are tested within holding time unless otherwise stated.

Batch No: 22-44240
 Report Number: 1879
 Client: Environmental and Analytical Laboratories
 ALS Program Ref: EAL
 Program Description: Analysis for EAL



Sample No	Site Code	Site Description	Sample Type	Sampled Date/Time
164059	NONE	22Apr-0161	WATER	13/04/22
164060	NONE	22Apr-0162	WATER	13/04/22
164061	NONE	22Apr-0163	WATER	13/04/22

Analysis - Analyte

	Sample No. Site Code Units	164059 NONE	164060 NONE	164061 NONE
CHC - 1,2,3,4-Tetrachlorobenzene	mg/L	<0.001		
CHC - 1,2,3,5-Tetrachlorobenzene	mg/L	<0.001		
CHC - 1,2,3-Trichlorobenzene	mg/L	<0.001		
CHC - 1,2,4,5-Tetrachlorobenzene	mg/L	<0.001		
CHC - 1,2,4-Trichlorobenzene	mg/L	<0.001		
CHC - 1,2-Dichlorobenzene	mg/L	<0.001		
CHC - 1,3,5-Trichlorobenzene	mg/L	<0.001		
CHC - 1,3-Dichlorobenzene	mg/L	<0.001		
CHC - 1,4-Dichlorobenzene	mg/L	<0.001		
CHC - 2-Chloronaphthalene	mg/L	<0.001		
CHC - Benzal Chloride	mg/L	<0.001		
CHC - Benzotrichloride	mg/L	<0.001		
CHC - Benzylchloride	mg/L	<0.001		
CHC - Hexachlorobutadiene	mg/L	<0.001		
CHC - Hexachlorocyclopentadiene	mg/L	<0.001		
CHC - Hexachloroethane	mg/L	<0.001		
CHC - Pentachlorobenzene	mg/L	<0.001		
BTEXN - Benzene	mg/L		<0.001	<0.001
BTEXN - BTEX (Sum)	mg/L		<0.002	<0.002
BTEXN - Ethyl Benzene	mg/L		<0.001	<0.001
BTEXN - Toluene	mg/L		<0.001	<0.001
BTEXN - Total Xylenes	mg/L		<0.002	<0.002
BTEXN - Xylene - m & p	mg/L		<0.002	<0.002
BTEXN - Xylene - o	mg/L		<0.001	<0.001
HVOL - 1,1,1,2-Tetrachloroethane	mg/L	<0.001		
HVOL - 1,1,1-Trichloroethane	mg/L	<0.001		
HVOL - 1,1,2,2-Tetrachloroethane	mg/L	<0.001		
HVOL - 1,1,2-Trichloroethane	mg/L	<0.001		
HVOL - 1,1-Dichloroethane	mg/L	<0.001		
HVOL - 1,1-Dichloroethene	mg/L	<0.001		
HVOL - 1,1-Dichloropropene	mg/L	<0.001		
HVOL - 1,2,3-Trichloropropane	mg/L	<0.001		
HVOL - 1,2-Dibromo-3-chloropropane	mg/L	<0.001		
HVOL - 1,2-Dibromoethane	mg/L	<0.001		
HVOL - 1,2-Dichloroethene [cis]	mg/L	<0.001		
HVOL - 1,2-Dichloroethene [trans]	mg/L	<0.001		
HVOL - 1,2-Dichloroethane	mg/L	<0.001		
HVOL - 1,2-Dichloropropane	mg/L	<0.001		
HVOL - 1,3-Dichloropropane	mg/L	<0.001		
HVOL - 1,3-Dichloropropene [cis]	mg/L	<0.001		
HVOL - 1,3-Dichloropropene [trans]	mg/L	<0.001		
HVOL - 2,2-Dichloropropane	mg/L	<0.001		
HVOL - 2-Chlorotoluene	mg/L	<0.001		
HVOL - 4-Chlorotoluene	mg/L	<0.001		
HVOL - Bromochloromethane	mg/L	<0.001		
HVOL - Bromodichloromethane	mg/L	<0.001		
HVOL - Bromobenzene	mg/L	<0.001		
HVOL - Bromoform (Tribromomethane)	mg/L	<0.001		
HVOL - Carbon Tetrachloride	mg/L	<0.001		

Batch No: 22-44240
 Report Number: 1879
 Client: Environmental and Analytical Laboratories
 ALS Program Ref: EAL
 Program Description: Analysis for EAL



Sample No	Site Code	Site Description	Sample Type	Sampled Date/Time
164059	NONE	22Apr-0161	WATER	13/04/22
164060	NONE	22Apr-0162	WATER	13/04/22
164061	NONE	22Apr-0163	WATER	13/04/22

		164059 NONE	164060 NONE	164061 NONE
HVOL - Chloroform (Trichloromethane)	mg/L	<0.001		
HVOL - Chlorobenzene	mg/L	<0.001		
HVOL - Dibromochloromethane	mg/L	<0.001		
HVOL - Dibromomethane	mg/L	<0.001		
HVOL - Dichloromethane	mg/L	<0.002		
HVOL - Trichlorofluoromethane (CFC11)	mg/L	<0.002		
HVOL - Tetrachloroethene	mg/L	<0.001		
HVOL - Trichloroethene	mg/L	<0.001		
HVOL - Vinyl Chloride (Monomer)	mg/L	<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 & TPH (>C10) - Sum of TPH C10-C36	mg/L		0.9	1.1
TRH & TPH (>C10) - Sum of TRH>C10-C40	mg/L		0.8	1.1
TRH & TPH (>C10) - TPH C10-C14	mg/L		<0.1	<0.1
TRH & TPH (>C10) - TPH C15-C28	mg/L		0.6	0.8
TRH & TPH (>C10) - TPH C29-C36	mg/L		0.2	0.3
TRH & TPH (>C10) - TRH>C10-C16	mg/L		<0.1	0.1
TRH F2 - TRH>C10-C16 minus Naphthalene	mg/L		<0.1	0.1
TRH & TPH (>C10) - TRH>C16-C34	mg/L		0.8	1.0
TRH & TPH (>C10) - TRH>C34-C40	mg/L		<0.1	<0.1
PAH - Acenaphthene	mg/L		<0.001	<0.001
PAH - Acenaphthylene	mg/L		<0.001	<0.001
PAH - Anthracene	mg/L		<0.001	<0.001
PAH - Benz(a)anthracene	mg/L		<0.001	<0.001
PAH - Benzo(a)pyrene	mg/L		<0.001	<0.001
PAH - Benzo(b)fluoranthene	mg/L		<0.001	<0.001
PAH - Benzo(g,h,i)perylene	mg/L		<0.001	<0.001
PAH - Benzo(k)fluoroanthene	mg/L		<0.001	<0.001
PAH - Chrysene	mg/L		<0.001	<0.001
PAH - Dibenz(a,h)anthracene	mg/L		<0.001	<0.001
PAH - Fluoranthene	mg/L		<0.001	<0.001
PAH - Fluorene	mg/L		<0.001	<0.001
PAH - Indeno(1,2,3-cd)pyrene	mg/L		<0.001	<0.001
PAH - Naphthalene	mg/L		<0.001	<0.001
PAH - Phenanthrene	mg/L		<0.001	<0.001
PAH - p-Terphenyl-d14	%		116	101
PAH - Pyrene	mg/L		<0.001	<0.001
PAH - Total PAH	mg/L		<0.001	<0.001
TOC (SFA) - Total Organic Carbon	mg/L	16		



Sample No	Site Code	Site Description	Sample Type	Sampled Date/Time
164062	NONE	22Apr-0164	WATER	13/04/22

Analysis - Analyte

	Sample No. Site Code Units	164062 NONE
CHC - 1,2,3,4-Tetrachlorobenzene	mg/L	<0.001
CHC - 1,2,3,5-Tetrachlorobenzene	mg/L	<0.001
CHC - 1,2,3-Trichlorobenzene	mg/L	<0.001
CHC - 1,2,4,5-Tetrachlorobenzene	mg/L	<0.001
CHC - 1,2,4-Trichlorobenzene	mg/L	<0.001
CHC - 1,2-Dichlorobenzene	mg/L	<0.001
CHC - 1,3,5-Trichlorobenzene	mg/L	<0.001
CHC - 1,3-Dichlorobenzene	mg/L	<0.001
CHC - 1,4-Dichlorobenzene	mg/L	<0.001
CHC - 2-Chloronaphthalene	mg/L	<0.001
CHC - Benzal Chloride	mg/L	<0.001
CHC - Benzotrichloride	mg/L	<0.001
CHC - Benzylchloride	mg/L	<0.001
CHC - Hexachlorobutadiene	mg/L	<0.001
CHC - Hexachlorocyclopentadiene	mg/L	<0.001
CHC - Hexachloroethane	mg/L	<0.001
CHC - Pentachlorobenzene	mg/L	<0.001
HVOL - 1,1,1,2-Tetrachloroethane	mg/L	<0.001
HVOL - 1,1,1-Trichloroethane	mg/L	<0.001
HVOL - 1,1,2,2-Tetrachloroethane	mg/L	<0.001
HVOL - 1,1,2-Trichloroethane	mg/L	<0.001
HVOL - 1,1-Dichloroethane	mg/L	<0.001
HVOL - 1,1-Dichloroethene	mg/L	<0.001
HVOL - 1,1-Dichloropropene	mg/L	<0.001
HVOL - 1,2,3-Trichloropropane	mg/L	<0.001
HVOL - 1,2-Dibromo-3-chloropropane	mg/L	<0.001
HVOL - 1,2-Dibromoethane	mg/L	<0.001
HVOL - 1,2-Dichloroethene [cis]	mg/L	<0.001
HVOL - 1,2-Dichloroethene [trans]	mg/L	<0.001
HVOL - 1,2-Dichloroethane	mg/L	<0.001
HVOL - 1,2-Dichloropropane	mg/L	<0.001
HVOL - 1,3-Dichloropropane	mg/L	<0.001
HVOL - 1,3-Dichloropropene [cis]	mg/L	<0.001
HVOL - 1,3-Dichloropropene [trans]	mg/L	<0.001
HVOL - 2,2-Dichloropropane	mg/L	<0.001
HVOL - 2-Chlorotoluene	mg/L	<0.001
HVOL - 4-Chlorotoluene	mg/L	<0.001
HVOL - Bromochloromethane	mg/L	<0.001
HVOL - Bromodichloromethane	mg/L	<0.001
HVOL - Bromobenzene	mg/L	<0.001
HVOL - Bromoform (Tribromomethane)	mg/L	<0.001
HVOL - Carbon Tetrachloride	mg/L	<0.001
HVOL - Chloroform (Trichloromethane)	mg/L	<0.001
HVOL - Chlorobenzene	mg/L	<0.001
HVOL - Dibromochloromethane	mg/L	<0.001
HVOL - Dibromomethane	mg/L	<0.001
HVOL - Dichloromethane	mg/L	<0.002
HVOL - Trichlorofluoromethane (CFC11)	mg/L	<0.002
HVOL - Tetrachloroethene	mg/L	<0.001
HVOL - Trichloroethene	mg/L	<0.001
HVOL - Vinyl Chloride (Monomer)	mg/L	<0.002

Batch No: 22-44240
Report Number: 1879
Client: Environmental and Analytical Laboratories
ALS Program Ref: EAL
Program Description: Analysis for EAL



Sample No	Site Code	Site Description	Sample Type	Sampled Date/Time
164062	NONE	22Apr-0164	WATER	13/04/22

		164062 NONE
TOC (SFA) - Total Organic Carbon	mg/L	26

A blank space indicates no test performed.