



Environment and Heritage - Science, Economics and Insights

Environmental Forensics Report of Analysis
Project 20230459

Report #: 2010
Date Issued: 07-Dec-2023
Page 1 of 17

Client Project Reference: Menindee Darling Barka River Healt

Customer: Department of Planning & Environment

Attention: [REDACTED]

Report Date: 07 December 2023

Project Received: 15 November 2023

EF Project Contact: [REDACTED]
[REDACTED]
[REDACTED]



The following samples were analysed:

Sample ID	Client ID	Sample Type	Client Sampled Date/Time	Aliquot	Client Description
239529	E1	Liquid	07/11/2023		
239549	E1	Liquid	07/11/2023	Field Aliquot	SURF
239568	E1	Liquid	07/11/2023	Field Aliquot	BOT
239594	E1	Liquid	07/11/2023	Field Aliquot	BOT
239530	E2	Liquid	07/11/2023		
239550	E2	Liquid	07/11/2023	Field Aliquot	SURF
239569	E2	Liquid	07/11/2023	Field Aliquot	BOT
239580	E2	Liquid	07/11/2023	Field Aliquot	SURF
239595	F2	Liquid	07/11/2023	Field Aliquot	BOT
239531	E3	Liquid	07/11/2023		
239551	E3	Liquid	07/11/2023	Field Aliquot	SURF
239570	E3	Liquid	07/11/2023	Field Aliquot	BOT
239581	E3	Liquid	07/11/2023	Field Aliquot	SURF
239532	E4	Liquid	07/11/2023		
239552	E4	Liquid	07/11/2023	Field Aliquot	SURF
239533	E5	Liquid	07/11/2023		
239553	E5	Liquid	07/11/2023	Field Aliquot	SURF
239582	E5	Liquid	07/11/2023	Field Aliquot	SURF
239534	E6	Liquid	09/11/2023		
239554	E6	Liquid	09/11/2023	Field Aliquot	
239571	E6	Liquid	09/11/2023	Field Aliquot	
239583	E6	Liquid	09/11/2023	Field Aliquot	
239535	E6.5	Liquid	09/11/2023		
239555	E6.5	Liquid	09/11/2023	Field Aliquot	
239572	E6.5	Liquid	09/11/2023	Field Aliquot	
239584	E6.5	Liquid	09/11/2023	Field Aliquot	
239536	E7	Liquid	09/11/2023		
239556	E7	Liquid	09/11/2023	Field Aliquot	
239573	E7	Liquid	09/11/2023	Field Aliquot	

Tests not covered by NATA accreditation 3040 are denoted with *

Codes: SN = Sample Note

RN = Result Note

RC = Project Comment



239585	E7	Liquid	09/11/2023	Field Aliquot
239537	E11	Liquid	09/11/2023	
239557	E11	Liquid	09/11/2023	Field Aliquot
239574	E11	Liquid	09/11/2023	Field Aliquot
239586	E11	Liquid	09/11/2023	Field Aliquot
239538	E12	Liquid	09/11/2023	
239558	E12	Liquid	09/11/2023	Field Aliquot
239575	E12	Liquid	09/11/2023	Field Aliquot
239587	E12	Liquid	09/11/2023	Field Aliquot
239539	E13	Liquid	09/11/2023	
239559	F13	Liquid	09/11/2023	Field Aliquot
239576	E13	Liquid	09/11/2023	Field Aliquot
239588	E13	Liquid	09/11/2023	Field Aliquot
239540	E14	Liquid	09/11/2023	
239560	E14	Liquid	09/11/2023	Field Aliquot
239577	E14	Liquid	09/11/2023	Field Aliquot
239589	E14	Liquid	09/11/2023	Field Aliquot
239541	E15	Liquid	09/11/2023	
239561	E15	Liquid	09/11/2023	Field Aliquot
239578	E15	Liquid	09/11/2023	Field Aliquot
239590	E15	Liquid	09/11/2023	Field Aliquot
239542	B1	Liquid	07/11/2023	
239562	B1	Liquid	07/11/2023	Field Aliquot
239543	B2	Liquid	07/11/2023	
239563	B2	Liquid	07/11/2023	Field Aliquot
239591	B2	Liquid	07/11/2023	Field Aliquot
239544	B3	Liquid	07/11/2023	
239564	B3	Liquid	07/11/2023	Field Aliquot
239592	B3	Liquid	07/11/2023	Field Aliquot
239545	B4	Liquid	07/11/2023	
239565	B4	Liquid	07/11/2023	Field Aliquot

Tests not covered by NATA accreditation 3040 are denoted with *

Codes: SN = Sample Note

RN = Result Note

RC = Project Comment



239579	B4	Liquid	07/11/2023	Field Aliquot
239593	B4	Liquid	07/11/2023	Field Aliquot

Report Notes

- This document has been authorised by the person whose name appears in this report.
- This report shall not be reproduced except in full. Samples analysed as received from the client.
- Results reported as 'less than' (<) indicates a result below the practical quantitation limit for the sample matrix and method used.

Project Comments

·Samples 239580, 239581, 239582, 239583, 239584, 239585, 239586, 239587, 239588, 239589, 239590, 239591, 239592, 239593, 239594, 239595 were sent to National Measurement Institute (NATA Accreditation no: 198) for the analysis of Organochlorine (OC) Pesticides, Organophosphate (OP) Pesticides, Synthetic Pyrethroids, Fungicides, Carbamates, Herbicides, Miscellaneous. This report summarises data from the attached external report: RN1412022, dated 27-NOV-2023.

·Samples 239549, 239550, 239551, 239552, 239553, 239554, 239555, 239556, 239557, 239558, 239559, 239560, 239561, 239562, 239563, 239564, 239565, 239568, 239569, 239570 were sent to ALS Environmental Laboratory (NATA Accreditation no: 825) for the analysis of EG020F: Dissolved Metals by ICP-MS. This report summarises data from the attached external report: ES2339549, dated 29-Nov-2023.

·Samples 239571 to 239579 were sent to Sydney Water Laboratory Services (NATA Accreditation no: 63 and 610) for the analysis of Blue-Green Algal ID and Enumeration. Please see detailed results in the attached Phytoplankton Analysis Report no. 295472 dated 06 December 2023.

Samples 239529 to 239545 were also sent to Sydney Water Laboratory Services (NATA Accreditation no: 63 and 610) for the analysis of Algal Toxins. Please see the attached Analytical Report no. 295472 dated 06 December 2023, which gives Algal Toxins analysis results and the Blue-Green Algal ID and Enumeration summary results.



Analysis Results - External Methods*		Sample ID	239529	239530	239531	239532	239533	239534	239571	239535	239572	239536	239573	239537
Area - EXTERNAL		Start Date	21/11/2023	21/11/2023	21/11/2023	21/11/2023	21/11/2023	21/11/2023	05/12/2023	21/11/2023	05/12/2023	21/11/2023	05/12/2023	21/11/2023
		Client ID	E1	E2	E3	E4	E5	E6	E6	E6.5	E6.5	E7	E7	E11
Analyte														
Algal Enumeration	-								RC		RC		RC	
Algal Identification	-								RC		RC		RC	
Algal Toxins	-	RC	RC	RC	RC	RC	RC	RC		RC		RC		RC
Saxitoxins and PST	-	RC	RC	RC	RC	RC	RC	RC		RC		RC		RC

Analysis Results - External Methods*		Sample ID	239574	239538	239575	239539	239576	239540	239577	239541	239578	239542	239543	239544
Area - EXTERNAL		Start Date	05/12/2023	21/11/2023	05/12/2023	21/11/2023	05/12/2023	21/11/2023	05/12/2023	21/11/2023	05/12/2023	21/11/2023	21/11/2023	21/11/2023
		Client ID	E11	E12	E12	E13	E13	E14	E14	E15	E15	B1	B2	B3
Analyte														
Algal Enumeration	-	RC		RC		RC		RC		RC				
Algal Identification	-	RC		RC		RC		RC		RC				
Algal Toxins	-		RC		RC		RC		RC			RC	RC	RC
Saxitoxins and PST	-		RC		RC		RC		RC			RC	RC	RC

Analysis Results - External Methods*		Sample ID	239545	239579
Area - EXTERNAL		Start Date	21/11/2023	05/12/2023
		Client ID	B4	B4
Analyte				
Algal Enumeration	-			RC
Algal Identification	-			RC
Algal Toxins	-	RC		
Saxitoxins and PST	-	RC		

Tests not covered by NATA accreditation 3040 are denoted with *
 Codes: SN = Sample Note RN = Result Note RC = Project Comment



Analysis Results - External Methods*
 Area - EXTERNAL

Analyte	Sample ID Start Date Client ID	239549	239568	239550	239569	239551	239570	239552	239553	239554	239555	239556	239557
		19/11/2023 E1	19/11/2023 E1	19/11/2023 E2	19/11/2023 E2	19/11/2023 E3	19/11/2023 E3	19/11/2023 E4	19/11/2023 E5	19/11/2023 E6	19/11/2023 E6.5	19/11/2023 E7	19/11/2023 E11
Aluminium	mg/L	0.26	1.05	0.33	0.3	0.38	0.86	0.42	2.56	2.02	1.94	1.91	2.18
Antimony	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Arsenic	mg/L	0.003	0.002	0.004	0.001	0.003	0.003	0.003	0.006	0.005	0.005	0.005	0.006
Barium	mg/L	0.121	0.123	0.12	0.054	0.121	0.121	0.122	0.108	0.122	0.108	0.11	0.113
Beryllium	mg/L	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bismuth	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	mg/L	0.19	<0.05	0.07	<0.05	0.06	<0.05	0.06	0.06	0.08	0.07	0.06	0.06
Cadmium	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Caesium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cerium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.001	<0.001	<0.001	0.001
Chromium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	0.001	0.001	0.001	0.002
Cobalt	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Copper	mg/L	0.002	<0.001	0.002	<0.001	0.001	<0.001	0.001	0.002	0.002	0.002	0.001	0.002
Dysprosium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Erbium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Europium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Gadolinium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Gallium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Hafnium	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Holmium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Indium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Iron	mg/L	0.15	0.62	0.18	0.16	0.2	0.51	0.22	1.34	1.1	1.06	1.08	1.24
Lanthanum	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Lead	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Lithium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001
Lutetium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	mg/L	0.023	0.028	0.015	0.004	0.014	0.014	0.015	0.034	0.026	0.009	0.009	0.024
Molybdenum	mg/L	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Neodymium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001
Nickel	mg/L	0.002	0.002	0.002	<0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Praseodymium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Rubidium	mg/L	0.002	0.002	0.002	<0.001	0.002	0.002	0.002	0.004	0.003	0.003	0.003	0.003

Tests not covered by NATA accreditation 3040 are denoted with *

Codes: SN = Sample Note

RN = Result Note

RC = Project Comment



Analysis Results - External Methods*
 Area - EXTERNAL

Analyte	Sample ID Start Date Client ID	239549	239568	239550	239569	239551	239570	239552	239553	239554	239555	239556	239557
		19/11/2023 E1	19/11/2023 E1	19/11/2023 E2	19/11/2023 E2	19/11/2023 E3	19/11/2023 E3	19/11/2023 E4	19/11/2023 E5	19/11/2023 E6	19/11/2023 E6.5	19/11/2023 E7	19/11/2023 E11
Samarium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Silver	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Strontium	mg/L	0.448	0.428	0.445	0.172	0.434	0.416	0.438	0.36	0.354	0.356	0.364	0.376
Tellurium	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Terbium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Thallium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Thorium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Thulium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Tin	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Titanium	mg/L	0.01	0.06	0.02	0.01	0.02	0.04	0.02	0.12	0.11	0.09	0.09	0.1
Uranium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Vanadium	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	0.01	0.02	0.01	0.02
Ytterbium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Yttrium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Zinc	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zirconium	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.007	0.006	0.007	<0.005	0.006

Tests not covered by NATA accreditation 3040 are denoted with *

Codes: SN = Sample Note

RN = Result Note

RC = Project Comment



Analysis Results - External Methods*
 Area - EXTERNAL

Analyte	Sample ID Start Date Client ID	239558	239559	239560	239561	239562	239563	239564	239565
		19/11/2023 E12	19/11/2023 E13	19/11/2023 E14	19/11/2023 E15	19/11/2023 B1	19/11/2023 B2	19/11/2023 B3	19/11/2023 B4
Aluminium	mg/L	2.36	2.07	1.68	0.63	0.13	0.51	2.6	0.36
Antimony	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Arsenic	mg/L	0.006	0.005	0.004	0.004	0.002	0.002	0.006	0.006
Barium	mg/L	0.114	0.117	0.127	0.128	0.122	0.128	0.102	0.116
Beryllium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bismuth	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	mg/L	0.07	0.05	0.05	<0.05	<0.05	<0.05	0.05	0.06
Cadmium	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Caesium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cerium	mg/L	0.001	0.001	0.001	<0.001	<0.001	<0.001	0.001	<0.001
Chromium	mg/L	0.002	0.002	0.001	<0.001	<0.001	<0.001	0.002	<0.001
Cobalt	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Copper	mg/L	0.002	0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001
Dysprosium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Erbium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Europium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Gadolinium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Gallium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Hafnium	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Holmium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Indium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Iron	mg/L	1.34	1.17	0.98	0.35	0.09	0.29	1.51	0.22
Lanthanum	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Lead	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Lithium	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Lutetium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	mg/L	0.023	0.018	0.032	0.032	0.023	0.036	0.02	0.024
Molybdenum	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Neodymium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Nickel	mg/L	0.003	0.002	0.002	0.002	0.001	0.002	0.002	<0.001
Praseodymium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Rubidium	mg/L	0.004	0.003	0.003	0.002	0.002	0.002	0.004	0.002

Tests not covered by NATA accreditation 3040 are denoted with *

Codes: SN = Sample Note

RN = Result Note

RC = Project Comment



Analysis Results - External Methods*
Area - EXTERNAL

Analyte	Sample ID Start Date Client ID	239558	239559	239560	239561	239562	239563	239564	239565
		19/11/2023 E12	19/11/2023 E13	19/11/2023 E14	19/11/2023 E15	19/11/2023 B1	19/11/2023 B2	19/11/2023 B3	19/11/2023 B4
Samarium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Silver	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Strontium	mg/L	0.365	0.378	0.393	0.42	0.433	0.451	0.329	0.412
Tellurium	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Terbium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Thallium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Thorium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Thulium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Tin	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Titanium	mg/L	0.1	0.1	0.08	0.03	<0.01	0.02	0.11	0.02
Uranium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Vanadium	mg/L	0.02	0.01	0.01	0.01	<0.01	<0.01	0.02	<0.01
Ytterbium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Yttrium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Zinc	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zirconium	mg/L	0.008	<0.005	0.008	<0.005	<0.005	<0.005	0.008	<0.005

Tests not covered by NATA accreditation 3040 are denoted with *

Codes: SN = Sample Note

RN = Result Note

RC = Project Comment



Analysis Results - External Methods*
 Area - EXTERNAL

Analyte	Sample ID Start Date Client ID	239594	239580	239595	239581	239582	239583	239584	239585	239586	239587	239588	239589
		22/11/2023 E1	22/11/2023 E2	22/11/2023 E2	22/11/2023 E3	22/11/2023 E5	22/11/2023 E6	22/11/2023 E6.5	22/11/2023 E7	22/11/2023 E11	22/11/2023 E12	22/11/2023 E13	22/11/2023 E14
Aldrin	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Atrazine	ug/L	0.18	0.27	0.23	0.24	0.27	0.11	0.16	0.14	0.21	0.24	0.25	0.20
Azinphos ethyl	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Azinphos methyl	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bifenthrin	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bioresmethrin	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos ethyl	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bupirimate	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Buprofezin	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbaryl	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbophenothion	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorfenvinphos (E)	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorfenvinphos (Z)	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorothalonil	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyrifos methyl	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyrifos	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Coumaphos	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cyfluthrin	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cyhalothrin	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cypermethrin	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cyprodinil	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Deltamethrin	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Demeton-S-methyl	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlofuanid	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorvos	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Tests not covered by NATA accreditation 3040 are denoted with *

Codes: SN = Sample Note

RN = Result Note

RC = Project Comment



Analysis Results - External Methods*
 Area - EXTERNAL

Analyte	Sample ID Start Date Client ID	239594	239580	239595	239581	239582	239583	239584	239585	239586	239587	239588	239589
		22/11/2023 E1	22/11/2023 E2	22/11/2023 E2	22/11/2023 E3	22/11/2023 E5	22/11/2023 E6	22/11/2023 E6.5	22/11/2023 E7	22/11/2023 E11	22/11/2023 E12	22/11/2023 E13	22/11/2023 E14
Dicloran	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dicofol	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Difenoconazole	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethomorph	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dioxathion	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Diphenylamine	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Diuron	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulfate	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin aldehyde	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Elthion	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fenamiphos	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fenarimol	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fenchlorphos	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fenoxycarb	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fenthion	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fenvalerate	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Flusilazole	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Formothion	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC(Lindane)	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
HCB	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hexaconazole	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hexazinone	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Imazalil	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Iprodione	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Linuron	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Tests not covered by NATA accreditation 3040 are denoted with *

Codes: SN = Sample Note

RN = Result Note

RC = Project Comment



Analysis Results - External Methods*
 Area - EXTERNAL

Sample ID	239594	239580	239595	239581	239582	239583	239584	239585	239586	239587	239588	239589
Start Date	22/11/2023	22/11/2023	22/11/2023	22/11/2023	22/11/2023	22/11/2023	22/11/2023	22/11/2023	22/11/2023	22/11/2023	22/11/2023	22/11/2023
Client ID	E1	E2	E2	E3	E5	E6	E6.5	E7	E11	E12	E13	E14
Analyte												
Malathion	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Metalaxyl	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methacrifos	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methidathion	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoprene	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Metolachlor	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mevinphos	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Molinate	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o-Phenylphenol	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Oxychlorane	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Oxyfluorfen	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDE	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDT	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion (ethyl)	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion methyl	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Penconazole	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pendimethalin	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Permethrin	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenothrin	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phorate	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phosalone	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Piperonyl Butoxide	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pirimicarb	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pirimiphos ethyl	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pirimiphos methyl	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Prochloraz	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Procydione	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Profenophos	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Prometryn	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Propargite	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Tests not covered by NATA accreditation 3040 are denoted with *

Codes: SN = Sample Note

RN = Result Note

RC = Project Comment



Analysis Results - External Methods*
 Area - EXTERNAL

Analyte	Sample ID Start Date Client ID	239594	239580	239595	239581	239582	239583	239584	239585	239586	239587	239588	239589
		22/11/2023 E1	22/11/2023 E2	22/11/2023 E2	22/11/2023 E3	22/11/2023 E5	22/11/2023 E6	22/11/2023 E6.5	22/11/2023 E7	22/11/2023 E11	22/11/2023 E12	22/11/2023 E13	22/11/2023 E14
Propiconazole II	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Propiconazole I	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Prothiofos	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrimethanil	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Simazine	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tebuconazole	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tebuconazole	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetradifon	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Thiometon	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Triazophos	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trifluralin	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinclozolin	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Tests not covered by NATA accreditation 3040 are denoted with *

Codes: SN = Sample Note

RN = Result Note

RC = Project Comment



Analysis Results - External Methods*		Sample ID	239590	239591	239592	239593
Area - EXTERNAL		Start Date	22/11/2023	22/11/2023	22/11/2023	22/11/2023
		Client ID	E15	B2	B3	B4
Analyte						
Aldrin	ug/L		<0.1	<0.1	<0.1	<0.1
alpha-BHC	ug/L		<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	ug/L		<0.1	<0.1	<0.1	<0.1
Atrazine	ug/L		0.19	0.15	0.26	0.15
Azinphos ethyl	ug/L		<0.1	<0.1	<0.1	<0.1
Azinphos methyl	ug/L		<0.1	<0.1	<0.1	<0.1
beta-BHC	ug/L		<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	ug/L		<0.1	<0.1	<0.1	<0.1
Bifenthrin	ug/L		<0.1	<0.1	<0.1	<0.1
Bioresmethrin	ug/L		<0.1	<0.1	<0.1	<0.1
Bromophos ethyl	ug/L		<0.1	<0.1	<0.1	<0.1
Bupirimate	ug/L		<0.1	<0.1	<0.1	<0.1
Buprofezin	ug/L		<0.1	<0.1	<0.1	<0.1
Carbaryl	ug/L		<0.1	<0.1	<0.1	<0.1
Carbophenothion	ug/L		<0.1	<0.1	<0.1	<0.1
Chlorfenvinphos (E)	ug/L		<0.1	<0.1	<0.1	<0.1
Chlorfenvinphos (Z)	ug/L		<0.1	<0.1	<0.1	<0.1
Chlorothalonil	ug/L		<0.1	<0.1	<0.1	<0.1
Chlorpyrifos methyl	ug/L		<0.1	<0.1	<0.1	<0.1
Chlorpyrifos	ug/L		<0.1	<0.1	<0.1	<0.1
cis-Chlordane	ug/L		<0.1	<0.1	<0.1	<0.1
Coumaphos	ug/L		<0.1	<0.1	<0.1	<0.1
Cyfluthrin	ug/L		<0.1	<0.1	<0.1	<0.1
Cyhalothrin	ug/L		<0.1	<0.1	<0.1	<0.1
Cypermethrin	ug/L		<0.1	<0.1	<0.1	<0.1
Cyprodinil	ug/L		<0.1	<0.1	<0.1	<0.1
delta-BHC	ug/L		<0.1	<0.1	<0.1	<0.1
Deltamethrin	ug/L		<0.1	<0.1	<0.1	<0.1
Demeton-S-methyl	ug/L		<0.1	<0.1	<0.1	<0.1
Diazinon	ug/L		<0.1	<0.1	<0.1	<0.1
Dichlofuanid	ug/L		<0.1	<0.1	<0.1	<0.1
Dichlorvos	ug/L		<0.1	<0.1	<0.1	<0.1

Tests not covered by NATA accreditation 3040 are denoted with *

Codes: SN = Sample Note

RN = Result Note

RC = Project Comment



Analysis Results - External Methods*		Sample ID	239590	239591	239592	239593
Area - EXTERNAL		Start Date	22/11/2023	22/11/2023	22/11/2023	22/11/2023
		Client ID	E15	B2	B3	B4
Analyte						
Dicloran	ug/L		<0.1	<0.1	<0.1	<0.1
Dicofol	ug/L		<0.1	<0.1	<0.1	<0.1
Dieldrin	ug/L		<0.1	<0.1	<0.1	<0.1
Difenoconazole	ug/L		<0.1	<0.1	<0.1	<0.1
Dimethoate	ug/L		<0.1	<0.1	<0.1	<0.1
Dimethomorph	ug/L		<0.1	<0.1	<0.1	<0.1
Dioxathion	ug/L		<0.1	<0.1	<0.1	<0.1
Diphenylamine	ug/L		<0.1	<0.1	<0.1	<0.1
Diuron	ug/L		<0.1	<0.1	<0.1	<0.1
Endosulfan sulfate	ug/L		<0.1	<0.1	<0.1	<0.1
Endrin aldehyde	ug/L		<0.1	<0.1	<0.1	<0.1
Endrin Ketone	ug/L		<0.1	<0.1	<0.1	<0.1
Endrin	ug/L		<0.1	<0.1	<0.1	<0.1
Ethion	ug/L		<0.1	<0.1	<0.1	<0.1
Fenamiphos	ug/L		<0.1	<0.1	<0.1	<0.1
Fenarimol	ug/L		<0.1	<0.1	<0.1	<0.1
Fenchlorphos	ug/L		<0.1	<0.1	<0.1	<0.1
Fenitrothion	ug/L		<0.1	<0.1	<0.1	<0.1
Fenoxycarb	ug/L		<0.1	<0.1	<0.1	<0.1
Fenthion	ug/L		<0.1	<0.1	<0.1	<0.1
Fenvalerate	ug/L		<0.1	<0.1	<0.1	<0.1
Flusilazole	ug/L		<0.1	<0.1	<0.1	<0.1
Formothion	ug/L		<0.1	<0.1	<0.1	<0.1
gamma-BHC(Lindane)	ug/L		<0.1	<0.1	<0.1	<0.1
HCB	ug/L		<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	ug/L		<0.1	<0.1	<0.1	<0.1
Heptachlor	ug/L		<0.1	<0.1	<0.1	<0.1
Hexaconazole	ug/L		<0.1	<0.1	<0.1	<0.1
Hexazinone	ug/L		<0.1	<0.1	<0.1	<0.1
Imazalil	ug/L		<0.1	<0.1	<0.1	<0.1
Iprodione	ug/L		<0.1	<0.1	<0.1	<0.1
Linuron	ug/L		<0.1	<0.1	<0.1	<0.1

Tests not covered by NATA accreditation 3040 are denoted with *

Codes: SN = Sample Note

RN = Result Note

RC = Project Comment



Analysis Results - External Methods*		Sample ID	239590	239591	239592	239593
Area - EXTERNAL		Start Date	22/11/2023	22/11/2023	22/11/2023	22/11/2023
		Client ID	E15	B2	B3	B4
Analyte						
Malathion	ug/L		<0.1	<0.1	<0.1	<0.1
Metalaxyl	ug/L		<0.1	<0.1	<0.1	<0.1
Methacrifos	ug/L		<0.1	<0.1	<0.1	<0.1
Methidathion	ug/L		<0.1	<0.1	<0.1	<0.1
Methoprene	ug/L		<0.1	<0.1	<0.1	<0.1
Methoxychlor	ug/L		<0.1	<0.1	<0.1	<0.1
Metolachlor	ug/L		<0.1	<0.1	<0.1	<0.1
Mevinphos	ug/L		<0.1	<0.1	<0.1	<0.1
Molinate	ug/L		<0.1	<0.1	<0.1	<0.1
o-Phenylphenol	ug/L		<0.1	<0.1	<0.1	<0.1
Oxyflorfen	ug/L		<0.1	<0.1	<0.1	<0.1
p,p-DDD	ug/L		<0.1	<0.1	<0.1	<0.1
p,p-DDE	ug/L		<0.1	<0.1	<0.1	<0.1
p,p-DDT	ug/L		<0.1	<0.1	<0.1	<0.1
Parathion (ethyl)	ug/L		<0.1	<0.1	<0.1	<0.1
Parathion methyl	ug/L		<0.1	<0.1	<0.1	<0.1
Penconazole	ug/L		<0.1	<0.1	<0.1	<0.1
Pendimethalin	ug/L		<0.1	<0.1	<0.1	<0.1
Permethrin	ug/L		<0.1	<0.1	<0.1	<0.1
Phenothrin	ug/L		<0.1	<0.1	<0.1	<0.1
Phorate	ug/L		<0.1	<0.1	<0.1	<0.1
Phosalone	ug/L		<0.1	<0.1	<0.1	<0.1
Piperonyl Butoxide	ug/L		<0.1	<0.1	<0.1	<0.1
Pirimicarb	ug/L		<0.1	<0.1	<0.1	<0.1
Pirimiphos ethyl	ug/L		<0.1	<0.1	<0.1	<0.1
Pirimiphos methyl	ug/L		<0.1	<0.1	<0.1	<0.1
Prochloraz	ug/L		<0.1	<0.1	<0.1	<0.1
Procyimidone	ug/L		<0.1	<0.1	<0.1	<0.1
Profenophos	ug/L		<0.1	<0.1	<0.1	<0.1
Prometryn	ug/L		<0.1	<0.1	<0.1	<0.1
Propargite	ug/L		<0.1	<0.1	<0.1	<0.1

Tests not covered by NATA accreditation 3040 are denoted with *

Codes: SN = Sample Note

RN = Result Note

RC = Project Comment



Analysis Results - External Methods*		Sample ID	239590	239591	239592	239593
Area - EXTERNAL		Start Date	22/11/2023	22/11/2023	22/11/2023	22/11/2023
		Client ID	E15	B2	B3	B4
Analyte						
Propiconazole II	ug/L		<0.1	<0.1	<0.1	<0.1
Propiconazole I	ug/L		<0.1	<0.1	<0.1	<0.1
Prothiofos	ug/L		<0.1	<0.1	<0.1	<0.1
Pyrimethanil	ug/L		<0.1	<0.1	<0.1	<0.1
Simazine	ug/L		<0.1	<0.1	<0.1	<0.1
Tebuconazole	ug/L		<0.1	<0.1	<0.1	<0.1
Tebufenpyrad	ug/L		<0.1	<0.1	<0.1	<0.1
Tetradifon	ug/L		<0.1	<0.1	<0.1	<0.1
Thiometon	ug/L		<0.1	<0.1	<0.1	<0.1
trans-Chlordane	ug/L		<0.1	<0.1	<0.1	<0.1
Triazophos	ug/L		<0.1	<0.1	<0.1	<0.1
Trifluralin	ug/L		<0.1	<0.1	<0.1	<0.1
Vinclozolin	ug/L		<0.1	<0.1	<0.1	<0.1

The sample(s) referred to in this report were analysed by the following method(s):

Method code	Method description	Area
External Methods*	External Methods - Analysis completed externally	EXTERNAL
External Methods*	External Methods - Analysis completed externally	EXTERNAL
External Methods*	External Methods - Analysis completed externally	EXTERNAL

The results in this report were authorised by:

Name	Title	Area
[REDACTED]	Senior Scientist	EXTERNAL

Tests not covered by NATA accreditation 3040 are denoted with *

Codes: SN = Sample Note

RN = Result Note

RC = Project Comment