



## Environmental Forensics Report of Analysis

Project 20230159

Report #:

1666

Date Issued:

07-Jun-2023

Page 1 of 14

**Client Project Reference: Menindee Fish Kill Darling Barka - 2**

Customer: Department of Planning & Environment

Attention:

[Redacted]

EF Project Contact:

[Redacted]

[Redacted]

[Redacted]

Report Date: 07 June 2023

Project Received: 12 May 2023

**The following samples were analysed:**

Sample ID	Client ID	Sample Type	Client Sampled Date/Time	Aliquot	Client Description
233272	E11	Liquid	11/05/2023 2:29PM		
233277	E11	Liquid	11/05/2023 2:29PM	Field Aliquot	
233278	E11	Liquid	11/05/2023 2:29PM	Field Aliquot	
233279	E11	Liquid	11/05/2023 2:29PM	Field Aliquot	
233280	E11	Liquid	11/05/2023 2:29PM	Field Aliquot	
233281	E11	Liquid	11/05/2023 2:29PM	Field Aliquot	Filtered 1
233282	E11	Liquid	11/05/2023 2:29PM	Field Aliquot	Filtered 2
233283	E11	Liquid	11/05/2023 2:29PM	Field Aliquot	Unfiltered
233273	E12	Liquid	11/05/2023 9:38AM		
233284	E12	Liquid	11/05/2023 9:38AM	Field Aliquot	
233285	E12	Liquid	11/05/2023 9:38AM	Field Aliquot	
233286	E12	Liquid	11/05/2023 9:38AM	Field Aliquot	
233287	E12	Liquid	11/05/2023 9:38AM	Field Aliquot	
233288	E12	Liquid	11/05/2023 9:38AM	Field Aliquot	Filtered 1
233289	E12	Liquid	11/05/2023 9:38AM	Field Aliquot	Filtered 2
233290	E12	Liquid	11/05/2023 9:38AM	Field Aliquot	Unfiltered
233274	E13	Liquid	11/05/2023 1:30PM		
233291	E13	Liquid	11/05/2023 1:30PM	Field Aliquot	
233292	E13	Liquid	11/05/2023 1:30PM	Field Aliquot	
233293	E13	Liquid	11/05/2023 1:30PM	Field Aliquot	
233294	E13	Liquid	11/05/2023 1:30PM	Field Aliquot	
233295	E13	Liquid	11/05/2023 1:30PM	Field Aliquot	Filtered 1
233296	E13	Liquid	11/05/2023 1:30PM	Field Aliquot	Filtered 2
233297	E13	Liquid	11/05/2023 1:30PM	Field Aliquot	Unfiltered
233275	E14	Liquid	11/05/2023 11:55AM		
233298	E14	Liquid	11/05/2023 11:55AM	Field Aliquot	
233299	E14	Liquid	11/05/2023 11:55AM	Field Aliquot	
233300	E14	Liquid	11/05/2023 11:55AM	Field Aliquot	
233301	E14	Liquid	11/05/2023 11:55AM	Field Aliquot	

Tests not covered by NATA accreditation 3040 are denoted with \*

Codes: SN = Sample Note

RN = Result Note

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233302	E14	Liquid	11/05/2023	11:55AM	Field Aliquot	Filtered 1
233303	E14	Liquid	11/05/2023	11:55AM	Field Aliquot	Filtered 2
233304	E14	Liquid	11/05/2023	11:55AM	Field Aliquot	Unfiltered
233276	E15	Liquid	11/05/2023	11:00AM	Laboratory Aliquot	
233305	E15	Liquid	11/05/2023	11:00AM	Field Aliquot	
233306	E15	Liquid	11/05/2023	11:00AM	Field Aliquot	
233307	E15	Liquid	11/05/2023	11:00AM	Field Aliquot	
233308	E15	Liquid	11/05/2023	11:00AM	Field Aliquot	
233309	E15	Liquid	11/05/2023	11:00AM	Field Aliquot	Filtered 1
233310	E15	Liquid	11/05/2023	11:00AM	Field Aliquot	Filtered 2
233311	E15	Liquid	11/05/2023	11:00AM	Field Aliquot	Unfiltered
234011	E15	Liquid	11/05/2023	11:00AM	Field Aliquot	
233325	E11	Liquid	11/05/2023			
233326	E12	Liquid	11/05/2023			
233327	E13	Liquid	11/05/2023			
233328	E14	Liquid	11/05/2023			
234012	E15	Liquid	11/05/2023			

**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 233281 - 233283; 233288 - 233290; 233295 - 233297; 233302 - 233304 and 233309 - 233311 were sent to ALS Environmental Laboratory (NATA Accreditation no. 825) for the analysis of Nutrients:EK055G - Ammonia as N by Discrete Analyser, EK059G - Nitrite plus Nitrate as N (NOx) by Discrete Analyser, EK061G - Total Kjeldahl Nitrogen By Discrete Analyser, EK062G - Total Nitrogen as N (TKN + NOx) by Discrete Analyser, EK067G - Total Phosphorus as P by Discrete Analyser, EK071G - Reactive Phosphorus as P by discrete analyser. This report summarises the Nutrients data from the attached external repor ES2316257, dated 22-May-2023.
- Samples 233272 to 233276 were also sent to ALS Environmental Laboratory (NATA Accreditation no. 825) for the analysis of Pesticides: EP202A - Phenoxyacetic Acid Herbicides by LCMS, and EP204 - Glyphosate and AMPA by LCMS. This report also summarises Pesticides data from the attached external report ES2316257, dated 22-May-2023.
- Samples 233279, 233286, 233293, 233300 and 233307 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 . 285354 dated 30 May 2023.
- Samples 233278, 233285, 233292, 233299 and 233306 were sent to Sydney Water Laboratory Services (NATA Accreditation no: 63 and 610) for the analysis of Algal Toxins. Please the attached Analytical Report No: 285354 dated 30 May 2023, which gives Algal Toxins analysis results and the Blue-Green Algal ID and Enumeration summary results .
- Samples 233325, 233326, 233327, 233328 and 234012 were analysed outside the method holding time for Total Suspended Solids .

**Analysis Results - External Methods\***

**Area - EXTERNAL**

Analyte	Sample ID	Start Date	Client ID	Sample ID	Start Date	Client ID	Sample ID	Start Date	Client ID	Sample ID	Start Date	Client ID	Sample ID	Start Date	Client ID
Algal Enumeration	-			233278	16/05/2023	E11	233279	29/05/2023	E11	233285	16/05/2023	E12	233286	29/05/2023	E12
Algal Identification	-														
Algal Toxins	-														

**Analysis Results - External Methods\***

**Area - EXTERNAL**

Analyte	Sample ID	Start Date	Client ID	Sample ID	Start Date	Client ID	Sample ID	Start Date	Client ID	Sample ID	Start Date	Client ID	Sample ID	Start Date	Client ID
Ammonia as N				233281	17/05/2023	E11	233282	17/05/2023	E11	233283	17/05/2023	E11	233288	17/05/2023	E12
Nitrite+Nitrate as N															
Reactive Phosphorus as P															
Total Kjeldahl Nitrogen as N															
Total Nitrogen as N															
Total Phosphorus as P															

**Analysis Results - External Methods\***

**Area - EXTERNAL**

Analyte	Sample ID	Start Date	Client ID	Sample ID	Start Date	Client ID	Sample ID	Start Date	Client ID
Ammonia as N				233309	17/05/2023	E15	233310	17/05/2023	E15
Nitrite+Nitrate as N									
Reactive Phosphorus as P									
Total Kjeldahl Nitrogen as N									
Total Nitrogen as N									
Total Phosphorus as P									

Tests not covered by NATA accreditation 3040 are denoted with \*

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**Analysis Results - External Methods\***

**Area - EXTERNAL**

Analyte	Sample ID	Start Date	Client ID	233272 17/05/2023 E11	233273 17/05/2023 E12	233274 17/05/2023 E13	233275 17/05/2023 E14	233276 17/05/2023 E15
2,4,5-T	µg/L	<10	<10	<10	<10	<10	<10	<10
2,4,6-T	µg/L	<10	<10	<10	<10	<10	<10	<10
2,4-D	µg/L	<10	<10	<10	<10	<10	<10	<10
2,4-DB	µg/L	<10	<10	<10	<10	<10	<10	<10
2,4-DP	µg/L	<10	<10	<10	<10	<10	<10	<10
2,6-D	µg/L	<10	<10	<10	<10	<10	<10	<10
4-Chlorophenoxy acetic acid	µg/L	<10	<10	<10	<10	<10	<10	<10
AMPA	µg/L	<10	<10	<10	<10	<10	<10	<10
Clopyralid	µg/L	<10	<10	<10	<10	<10	<10	<10
Dicamba	µg/L	<10	<10	<10	<10	<10	<10	<10
Fluroxypyr	µg/L	<10	<10	<10	<10	<10	<10	<10
Glyphosate	µg/L	<10	<10	<10	<10	<10	<10	<10
MCPA	µg/L	<10	<10	<10	<10	<10	<10	<10
MCPB	µg/L	<10	<10	<10	<10	<10	<10	<10
Mecoprop	µg/L	<10	<10	<10	<10	<10	<10	<10
Picloram	µg/L	<10	<10	<10	<10	<10	<10	<10
Silvex (2,4,5-TPI-Fenoprop)	µg/L	<10	<10	<10	<10	<10	<10	<10
Triclopyr	µg/L	<10	<10	<10	<10	<10	<10	<10

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**Analysis Results - ICPMS**  
**Area - INORGANIC**

Analyte	Sample ID Start Date Client ID	233280 15/05/2023 E11	233287 15/05/2023 E12	233294 15/05/2023 E13	233301 15/05/2023 E14	233308 15/05/2023 E15
Antimony (Lab. filtered)	mg/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arsenic (Lab. filtered)	mg/L	0.005	0.005	0.004	0.004	0.005
Beryllium (Lab. filtered)	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Cadmium (Lab. filtered)	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Chromium (Lab. filtered)	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001
Cobalt (Lab. filtered)	mg/L	0.0003	0.0003	0.0002	0.0003	0.0003
Copper (Lab. filtered)	mg/L	0.0021	0.0019	0.0018	0.0022	0.0018
Lead (Lab. filtered)	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Lithium (Lab. filtered)	mg/L	0.0018	0.0018	0.0019	0.0020	0.0019
Manganese (Lab. filtered)	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum (Lab. filtered)	mg/L	0.0013	0.0013	0.0014	0.0010	0.0014
Nickel (Lab. filtered)	mg/L	0.0030	0.0031	0.0032	0.0036	0.0037
Selenium (Lab. filtered)	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005
Silver (Lab. filtered)	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Thallium (Lab. filtered)	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Tin (Lab. filtered)	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vanadium (Lab. filtered)	mg/L	0.011	0.010	0.010	0.013	0.010
Zinc (Lab. filtered)	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001

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**Analysis Results - ICPAES**  
**Area - INORGANIC**

Analyte	Sample ID	Start Date	Client ID	233280 15/05/2023 E11	233287 15/05/2023 E12	233294 15/05/2023 E13	233301 15/05/2023 E14	233308 15/05/2023 E15
Aluminium (acid extractable)			mg/L	5.3	4.8	4.6	14	4.6
Barium (acid extractable)			mg/L	0.15	0.14	0.14	0.20	0.14
Boron (acid extractable)			mg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium (acid extractable)			mg/L	35	35	36	39	36
Iron (acid extractable)			mg/L	4.5	4.1	3.8	12	3.8
Magnesium (acid extractable)			mg/L	17	17	18	20	18
Manganese (acid extractable)			mg/L	0.15	0.14	0.12	0.27	0.11
Potassium (acid extractable)			mg/L	13	13	13	15	13
Sodium (acid extractable)			mg/L	48	47	49	47	47
Strontium (acid extractable)			mg/L	0.41	0.40	0.41	0.44	0.41
Sulfur (acid extractable)			mg/L	3.6	3.3	3.5	3.4	3.2
Titanium (acid extractable)			mg/L	0.04	0.04	0.04	0.10	0.03

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RC = Project Comment

**Analysis Results - ICPMS**  
**Area - INORGANIC**

Analyte	Sample ID Start Date Client ID	233280 15/05/2023 E11	233287 15/05/2023 E12	233294 15/05/2023 E13	233301 15/05/2023 E14	233308 15/05/2023 E15
Antimony (acid extractable)	mg/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arsenic (acid extractable)	mg/L	0.005	0.005	0.005	0.006	0.005
Beryllium (acid extractable)	mg/L	0.0002	0.0002	0.0001	0.0004	0.0001
Cadmium (acid extractable)	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Chromium (acid extractable)	mg/L	0.006	0.005	0.005	0.015	0.005
Cobalt (acid extractable)	mg/L	0.0026	0.0021	0.0020	0.0066	0.0021
Copper (acid extractable)	mg/L	0.0062	0.0049	0.0046	0.013	0.0048
Lead (acid extractable)	mg/L	0.0016	0.0014	0.0014	0.0045	0.0015
Lithium (acid extractable)	mg/L	0.0036	0.0034	0.0034	0.0062	0.0034
Molybdenum (acid extractable)	mg/L	0.0013	0.0013	0.0014	0.0010	0.0014
Nickel (acid extractable)	mg/L	0.0075	0.0068	0.0066	0.013	0.0070
Selenium (acid extractable)	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005
Silver (acid extractable)	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Thallium (acid extractable)	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Tin (acid extractable)	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Vanadium (acid extractable)	mg/L	0.023	0.020	0.020	0.039	0.020
Zinc (acid extractable)	mg/L	0.010	0.009	0.009	0.024	0.009

**Analysis Results - IGR TSS**  
**Area - INORGANIC**

Analyte	Sample ID Start Date Client ID	233325 19/05/2023 E11	233326 19/05/2023 E12	233327 19/05/2023 E13	233328 19/05/2023 E14	234012 25/05/2023 E15
Fixed Suspended Solids	mg/L	55	68	66	76	65
Total Suspended Solids	mg/L	67	81	80	91	78
Volatile Suspended Solids	mg/L	12	13	14	15	14

**Analysis Results - QQPEST**

**Area - ORGANIC**

Analyte	Sample ID Start Date Client ID	233277 16/05/2023 E11	233284 16/05/2023 E12	233291 16/05/2023 E13	233298 16/05/2023 E14	233305 16/05/2023 E15
Aldrin	µg/L	<0.3	<0.3	<0.3	<0.3	<0.3
Allethrin	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Alpha-Chlordane	µg/L	<0.4	<0.4	<0.4	<0.4	<0.4
alpha-HCH	µg/L	<0.4	<0.4	<0.4	<0.4	<0.4
Anetryn	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Atraton	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Atrazine	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
beta-HCH	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Bifenthrin	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Bioremethrin	µg/L	<0.3	<0.3	<0.3	<0.3	<0.3
Carbophenothion	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorpyrifos	µg/L	<0.4	<0.4	<0.4	<0.4	<0.4
Cis-permethrin	µg/L	<0.3	<0.3	<0.3	<0.3	<0.3
Croxyphos	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Cyfluthrin	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Cypermethrin	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
delta-HCH	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Deltamethrin	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Diazinon	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorvos	µg/L	<0.4	<0.4	<0.4	<0.4	<0.4
Dieldrin	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Dimethoate	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Endosulfan II	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0
Endosulfan I	µg/L	<0.9	<0.9	<0.9	<0.9	<0.9
Endosulfan Sulfate	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0
Endrin Aldehyde	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Endrin Ketone	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Endrin	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Ethion	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Fenamiphos	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Fenitrothion	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Fenthion	µg/L	<0.4	<0.4	<0.4	<0.4	<0.4

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**Analysis Results - QQPEST**

**Area - ORGANIC**

Analyte	Sample ID Start Date Client ID	233277 16/05/2023 E11	233284 16/05/2023 E12	233291 16/05/2023 E13	233298 16/05/2023 E14	233305 16/05/2023 E15
Fenvalerate	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Gamma-Chlordane	µg/L	<0.4	<0.4	<0.4	<0.4	<0.4
gamma-HCH	µg/L	<0.4	<0.4	<0.4	<0.4	<0.4
Heptachlor Epoxide	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Heptachlor	µg/L	<0.4	<0.4	<0.4	<0.4	<0.4
Hexachlorobenzene	µg/L	<0.3	<0.3	<0.3	<0.3	<0.3
Hexazinone	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
L-cyhalothrin	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Malathion	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Methidathion	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Methyl Azinphos	µg/L	<0.4	<0.4	<0.4	<0.4	<0.4
Methyl Chlorpyrifos	µg/L	<0.4	<0.4	<0.4	<0.4	<0.4
Methyl Parathion	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Mevinphos	µg/L	<0.4	<0.4	<0.4	<0.4	<0.4
Oxyfluorfen	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Parathion	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Phorate	µg/L	<0.4	<0.4	<0.4	<0.4	<0.4
Profenofos	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Prometon	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Prometryn	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Propargile	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Propazine	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Propetamphos	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Simazine	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Simetryn	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Sulprofos	µg/L	<0.4	<0.4	<0.4	<0.4	<0.4
Tebuconazole	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Tebuthiuron	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Terbutylazine	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Terbutryn	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachlorinphos	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Trans-permethrin	µg/L	<0.7	<0.7	<0.7	<0.7	<0.7

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Project:

Report #:

Date Issued:

## Area - ORGANIC

Sample ID	Client ID	Method	Start Date	Result
233277	E11	OLCSCAN* - LC/MS Scan	17/05/2023	LC/MS scan for approximately 600 pesticides was negative. A list of analysed compounds can be provided on request. Note the list doesn't include glyphosate and quaternary ammonium herbicides (e.g. Paraquat and Diquat).
233284	E12	OLCSCAN* - LC/MS Scan	17/05/2023	LC/MS scan for approximately 600 pesticides was negative. A list of analysed compounds can be provided on request. Note the list doesn't include glyphosate and quaternary ammonium herbicides (e.g. Paraquat and Diquat).
233291	E13	OLCSCAN* - LC/MS Scan	17/05/2023	LC/MS scan for approximately 600 pesticides was negative. A list of analysed compounds can be provided on request. Note the list doesn't include glyphosate and quaternary ammonium herbicides (e.g. Paraquat and Diquat).
233298	E14	OLCSCAN* - LC/MS Scan	17/05/2023	LC/MS scan for approximately 600 pesticides was negative. A list of analysed compounds can be provided on request. Note the list doesn't include glyphosate and quaternary ammonium herbicides (e.g. Paraquat and Diquat).
233305	E15	OLCSCAN* - LC/MS Scan	17/05/2023	LC/MS scan for approximately 600 pesticides was negative. A list of analysed compounds can be provided on request. Note the list doesn't include glyphosate and quaternary ammonium herbicides (e.g. Paraquat and Diquat).

Tests not covered by NATA accreditation 3040 are denoted with \*

Codes: SN = Sample Note

RN = Result Note

RC = Project Comment

**Area - OTHER**

Sample ID	Client ID	Method	Start Date	Result
234011	E15	Hold* - Hold	12/05/2023	Sample is on hold for analysis if required.

**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
ICVAASW	Mercury by Cold Vapour Atomic Absorption Spectroscopy	INORGANIC
ICPAES	Dissolved element analysis by Inductively Coupled Plasma-Atomic Emission Spectrometry (ICPAES)	INORGANIC
ICPMS	Dissolved Metals by Inductively Coupled Plasma Mass Spectrometry (ICP-MS)	INORGANIC
ICPAES	Acid extractable element analysis by Inductively Coupled Plasma-Atomic Emission Spectrometry (ICPAES)	INORGANIC
ICPMS	Acid extractable Metals by Inductively Coupled Plasma Mass Spectrometry (ICP-MS)	INORGANIC
IGRTSS	Total Suspended Solids (TSS) (includes Volatile and Fixed Suspended Solids)	INORGANIC
QQPEST	Determination of Multiresidue Pesticides by GCMSMS	ORGANIC
OLSCAN*	Qualitative LC/MS scan	ORGANIC
Hold*	Sample held pending further requests for analysis	OTHER

**The results in this report were authorised by:**

Name	Title	Area
[REDACTED]	Senior Scientist	EXTERNAL
[REDACTED]	Scientist	INORGANIC
[REDACTED]	Scientist	ORGANIC
[REDACTED]	Senior Scientist	OTHER

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Codes: SN = Sample Note

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