

CERTIFICATE OF ANALYSIS

Work Order : **EW2200850**
Client : **KIAMA COUNCIL**
Contact : MS JULIE MILEVSKI
Address : 11 MANNING STREET
 KIAMA NSW, AUSTRALIA 2533
Telephone : +61 02 4232 0557
Project : Minnamurra Landfill
Order number : 10325
C-O-C number : ----
Sampler : Robert DaLio
Site : Minnamurra Landfill
Quote number : WO/009/21
No. of samples received : 20
No. of samples analysed : 20

Page : 1 of 11
Laboratory : Environmental Division NSW South Coast
Contact : Aneta Prosaroski
Address : 1/19 Ralph Black Dr, North Wollongong 2500 NSW Australia
Telephone : 02 42253125
Date Samples Received : 25-Feb-2022 15:12
Date Analysis Commenced : 25-Feb-2022
Issue Date : 06-Mar-2022 10:23



Accreditation No. 825
 Accredited for compliance with
 ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

<i>Signatories</i>	<i>Position</i>	<i>Accreditation Category</i>
Ankit Joshi	Senior Chemist - Inorganics	Sydney Inorganics, Smithfield, NSW
Ivan Taylor	Analyst	Sydney Inorganics, Smithfield, NSW
Robert DaLio	Sampler	Laboratory - Wollongong, NSW



General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contact for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- **Analytical work for this work order will be conducted at ALS Sydney.**
- EK059G:LOR raised due to sample matrix.
- ED041G:LOR raised raised due to sample matrix.
- EK057G:LOR raised due to sample matrix.
- ED041G:LOR raised due to sample matrix.
- EP002: It has been noted that DOC is greater than TOC for sample 8, however this difference is within the limits of experimental variation.
- pH performed by ALS Wollongong via in-house method EA005FD and EN67 PK.
- Electrical conductivity performed by ALS Wollongong via in-house method EA010FD and EN67 PK.
- Sampling and groundwater depth measurements completed by ALS Wollongong via inhouse sampling method EN/67.11 Groundwater Sampling Hi Flow Method.
- Sampling completed by ALS Wollongong in accordance with in-house sampling method EN/67.6 Rivers and Streams.
- Temperature performed by ALS Wollongong via in-house method EA116 and EN67 PK.
- Dissolved oxygen (DO) performed by ALS Wollongong via in-house method EA025FD and EN67 PK.
- All field analysis performed by ALS Wollongong were completed at the time of sampling.
- Salinity performed by ALS Wollongong via in-house method EA020FD and EN67 PK.
- Sodium Adsorption Ratio (where reported): Where results for Na, Ca or Mg are <LOR, a concentration at half the reported LOR is incorporated into the SAR calculation. This represents a conservative approach for Na relative to the assumption that <LOR = zero concentration and a conservative approach for Ca & Mg relative to the assumption that <LOR is equivalent to the LOR concentration.



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	MD 1A	MD 1B	MD 2A	MD 2B	MD 2C
Sampling date / time				25-Feb-2022 13:00	25-Feb-2022 12:55	25-Feb-2022 11:35	25-Feb-2022 11:40	25-Feb-2022 11:50	
Compound	CAS Number	LOR	Unit	EW2200850-001	EW2200850-002	EW2200850-003	EW2200850-004	EW2200850-005	
				Result	Result	Result	Result	Result	
EA005FD: Field pH									
pH	----	0.1	pH Unit	----	7.6	6.9	7.1	7.1	
EA010FD: Field Conductivity									
Electrical Conductivity (Non Compensated)	----	1	µS/cm	----	559	18100	18700	38400	
EA020FD: Field Salinity									
Salinity	----	0.2	g/L	----	0.3	12.1	13.2	29.5	
EA116: Temperature									
Temperature	----	0.1	°C	----	20.5	19.7	17.3	16.8	
ED037P: Alkalinity by PC Titrator									
Hydroxide Alkalinity as CaCO3	DMO-210-001	1	mg/L	----	<1	<1	<1	<1	
Carbonate Alkalinity as CaCO3	3812-32-6	1	mg/L	----	<1	<1	<1	<1	
Bicarbonate Alkalinity as CaCO3	71-52-3	1	mg/L	----	194	642	713	446	
Total Alkalinity as CaCO3	----	1	mg/L	----	194	642	713	446	
ED041G: Sulfate (Turbidimetric) as SO4 2- by DA									
Sulfate as SO4 - Turbidimetric	14808-79-8	1	mg/L	----	19	790	964	2040	
ED045G: Chloride by Discrete Analyser									
Chloride	16887-00-6	1	mg/L	----	54	6310	6160	13500	
ED093F: Dissolved Major Cations									
Calcium	7440-70-2	1	mg/L	----	51	245	313	422	
Magnesium	7439-95-4	1	mg/L	----	10	397	422	987	
Sodium	7440-23-5	1	mg/L	----	36	3140	3380	8050	
Potassium	7440-09-7	1	mg/L	----	12	138	139	308	
EG020F: Dissolved Metals by ICP-MS									
Manganese	7439-96-5	0.001	mg/L	----	0.051	0.072	0.068	0.136	
Iron	7439-89-6	0.05	mg/L	----	0.52	3.81	0.82	1.41	
EK040P: Fluoride by PC Titrator									
Fluoride	16984-48-8	0.1	mg/L	----	0.2	1.0	0.9	1.0	
EK055G: Ammonia as N by Discrete Analyser									
Ammonia as N	7664-41-7	0.01	mg/L	----	10.0	20.6	18.2	8.62	
EK057G: Nitrite as N by Discrete Analyser									
Nitrite as N	14797-65-0	0.01	mg/L	----	<0.01	<0.10	<0.01	<0.01	
EK058G: Nitrate as N by Discrete Analyser									
Nitrate as N	14797-55-8	0.01	mg/L	----	0.20	0.14	0.03	<0.01	



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	MD 1A	MD 1B	MD 2A	MD 2B	MD 2C
Sampling date / time				25-Feb-2022 13:00	25-Feb-2022 12:55	25-Feb-2022 11:35	25-Feb-2022 11:40	25-Feb-2022 11:50	
Compound	CAS Number	LOR	Unit	EW2200850-001	EW2200850-002	EW2200850-003	EW2200850-004	EW2200850-005	
				Result	Result	Result	Result	Result	
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser									
Nitrite + Nitrate as N	----	0.01	mg/L	----	0.20	0.14	0.03	<0.01	
EN055: Ionic Balance									
∅ Total Anions	----	0.01	meq/L	----	5.79	207	208	432	
∅ Total Cations	----	0.01	meq/L	----	5.96	----	----	----	
∅ Total Cations	----	0.01	meq/L	----	----	185	201	460	
∅ Ionic Balance	----	0.01	%	----	1.33	----	----	----	
∅ Ionic Balance	----	0.01	%	----	----	5.67	1.75	3.15	
EN67 PK: Field Tests									
Field Observations	----	0.01	--	DESTROYED	----	----	----	----	
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L	----	6	61	38	22	
EP005: Total Organic Carbon (TOC)									
Total Organic Carbon	----	1	mg/L	----	7	63	51	23	
EP025FD: Field Dissolved Oxygen									
Dissolved Oxygen	----	0.01	mg/L	----	1.29	1.63	4.00	2.28	
Dissolved Oxygen - % Saturation	----	0.1	% saturation	----	14.5	19.2	45.2	28.2	
EP035G: Total Phenol by Discrete Analyser									
Phenols (Total)	----	0.05	mg/L	----	<0.05	<0.05	<0.05	0.32	
FWI-EN/001: Groundwater Sampling - Depth									
Depth	----	0.01	m	----	1.62	0.13	0.34	0.48	



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	MD 4A	MD 4B	MD 4C	MD 6A	MD 6B
Sampling date / time				25-Feb-2022 10:40	25-Feb-2022 10:50	25-Feb-2022 11:00	25-Feb-2022 12:15	25-Feb-2022 12:25	
Compound	CAS Number	LOR	Unit	EW2200850-006	EW2200850-007	EW2200850-008	EW2200850-009	EW2200850-010	
				Result	Result	Result	Result	Result	
EA005FD: Field pH									
pH	----	0.1	pH Unit	7.7	7.2	6.9	7.0	7.0	
EA010FD: Field Conductivity									
Electrical Conductivity (Non Compensated)	----	1	µS/cm	1840	10000	34800	1870	1430	
EA020FD: Field Salinity									
Salinity	----	0.2	g/L	1.0	6.7	26.4	1.0	0.8	
EA116: Temperature									
Temperature	----	0.1	°C	20.5	17.3	17.0	20.6	19.8	
ED037P: Alkalinity by PC Titrator									
Hydroxide Alkalinity as CaCO3	DMO-210-001	1	mg/L	<1	<1	<1	<1	<1	
Carbonate Alkalinity as CaCO3	3812-32-6	1	mg/L	<1	<1	<1	<1	<1	
Bicarbonate Alkalinity as CaCO3	71-52-3	1	mg/L	619	779	641	580	610	
Total Alkalinity as CaCO3	----	1	mg/L	619	779	641	580	610	
ED041G: Sulfate (Turbidimetric) as SO4 2- by DA									
Sulfate as SO4 - Turbidimetric	14808-79-8	1	mg/L	<10	286	1870	100	62	
ED045G: Chloride by Discrete Analyser									
Chloride	16887-00-6	1	mg/L	232	3160	12000	187	105	
ED093F: Dissolved Major Cations									
Calcium	7440-70-2	1	mg/L	43	266	471	129	146	
Magnesium	7439-95-4	1	mg/L	48	184	875	46	41	
Sodium	7440-23-5	1	mg/L	353	1630	6760	173	91	
Potassium	7440-09-7	1	mg/L	44	96	267	47	35	
EG020F: Dissolved Metals by ICP-MS									
Manganese	7439-96-5	0.001	mg/L	0.037	0.066	0.158	0.041	0.108	
Iron	7439-89-6	0.05	mg/L	0.60	1.26	1.66	0.73	0.23	
EK040P: Fluoride by PC Titrator									
Fluoride	16984-48-8	0.1	mg/L	1.2	0.7	1.0	0.8	0.5	
EK055G: Ammonia as N by Discrete Analyser									
Ammonia as N	7664-41-7	0.01	mg/L	0.33	47.9	9.80	21.6	21.6	
EK057G: Nitrite as N by Discrete Analyser									
Nitrite as N	14797-65-0	0.01	mg/L	<0.10	<0.01	<0.01	0.08	<0.01	
EK058G: Nitrate as N by Discrete Analyser									
Nitrate as N	14797-55-8	0.01	mg/L	<0.10	0.01	<0.01	0.22	<0.01	



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	MD 4A	MD 4B	MD 4C	MD 6A	MD 6B
Sampling date / time				25-Feb-2022 10:40	25-Feb-2022 10:50	25-Feb-2022 11:00	25-Feb-2022 12:15	25-Feb-2022 12:25	
Compound	CAS Number	LOR	Unit	EW2200850-006	EW2200850-007	EW2200850-008	EW2200850-009	EW2200850-010	
				Result	Result	Result	Result	Result	
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser									
Nitrite + Nitrate as N	----	0.01	mg/L	<0.10	0.01	<0.01	0.30	<0.01	
EN055: Ionic Balance									
∅ Total Anions	----	0.01	meq/L	18.9	111	390	18.9	16.4	
∅ Total Cations	----	0.01	meq/L	22.6	102	396	19.0	15.5	
∅ Ionic Balance	----	0.01	%	8.83	4.18	0.78	0.01	2.90	
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L	103	48	38	37	30	
EP005: Total Organic Carbon (TOC)									
Total Organic Carbon	----	1	mg/L	106	48	37	38	31	
EP025FD: Field Dissolved Oxygen									
Dissolved Oxygen	----	0.01	mg/L	1.55	5.02	1.60	1.25	1.44	
Dissolved Oxygen - % Saturation	----	0.1	% saturation	17.4	56.4	19.5	14.1	16.0	
EP035G: Total Phenol by Discrete Analyser									
Phenols (Total)	----	0.05	mg/L	<0.05	<0.05	0.12	<0.05	<0.05	
FWI-EN/001: Groundwater Sampling - Depth									
Depth	----	0.01	m	1.46	0.70	0.70	0.66	0.82	



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	MD 6C	MD 9A	MD 9B	MD 9C	MD 10A
Sampling date / time				25-Feb-2022 12:35	25-Feb-2022 10:00	25-Feb-2022 10:10	25-Feb-2022 10:20	25-Feb-2022 09:35	
Compound	CAS Number	LOR	Unit	EW2200850-011	EW2200850-012	EW2200850-013	EW2200850-014	EW2200850-015	
				Result	Result	Result	Result	Result	
EA005FD: Field pH									
pH	----	0.1	pH Unit	7.3	6.5	7.0	7.1	6.6	
EA010FD: Field Conductivity									
Electrical Conductivity (Non Compensated)	----	1	µS/cm	27800	2570	3070	5730	41300	
EA020FD: Field Salinity									
Salinity	----	0.2	g/L	19.6	1.5	1.8	3.6	26.5	
EA116: Temperature									
Temperature	----	0.1	°C	19.0	20.5	20.0	18.4	22.2	
ED037P: Alkalinity by PC Titrator									
Hydroxide Alkalinity as CaCO3	DMO-210-001	1	mg/L	<1	<1	<1	<1	<1	
Carbonate Alkalinity as CaCO3	3812-32-6	1	mg/L	<1	<1	<1	<1	<1	
Bicarbonate Alkalinity as CaCO3	71-52-3	1	mg/L	400	235	799	897	355	
Total Alkalinity as CaCO3	----	1	mg/L	400	235	799	897	355	
ED041G: Sulfate (Turbidimetric) as SO4 2- by DA									
Sulfate as SO4 - Turbidimetric	14808-79-8	1	mg/L	1340	<10	26	51	1930	
ED045G: Chloride by Discrete Analyser									
Chloride	16887-00-6	1	mg/L	9190	725	560	1380	12300	
ED093F: Dissolved Major Cations									
Calcium	7440-70-2	1	mg/L	412	32	183	159	976	
Magnesium	7439-95-4	1	mg/L	629	38	84	106	1040	
Sodium	7440-23-5	1	mg/L	4960	514	322	800	6460	
Potassium	7440-09-7	1	mg/L	143	33	68	98	131	
EG020F: Dissolved Metals by ICP-MS									
Manganese	7439-96-5	0.001	mg/L	0.075	0.024	0.217	0.132	0.934	
Iron	7439-89-6	0.05	mg/L	16.4	0.16	2.77	2.46	3.78	
EK040P: Fluoride by PC Titrator									
Fluoride	16984-48-8	0.1	mg/L	0.6	0.2	0.6	0.4	0.8	
EK055G: Ammonia as N by Discrete Analyser									
Ammonia as N	7664-41-7	0.01	mg/L	38.7	3.66	45.8	91.2	1.05	
EK057G: Nitrite as N by Discrete Analyser									
Nitrite as N	14797-65-0	0.01	mg/L	<0.01	<0.10	<0.01	<0.01	<0.01	
EK058G: Nitrate as N by Discrete Analyser									
Nitrate as N	14797-55-8	0.01	mg/L	<0.01	<0.10	<0.01	<0.01	<0.01	



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	MD 6C	MD 9A	MD 9B	MD 9C	MD 10A
Sampling date / time				25-Feb-2022 12:35	25-Feb-2022 10:00	25-Feb-2022 10:10	25-Feb-2022 10:20	25-Feb-2022 09:35	
Compound	CAS Number	LOR	Unit	EW2200850-011	EW2200850-012	EW2200850-013	EW2200850-014	EW2200850-015	
				Result	Result	Result	Result	Result	
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser									
Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	<0.10	<0.01	<0.01	<0.01	
EN055: Ionic Balance									
∅ Total Anions	----	0.01	meq/L	295	25.1	32.3	57.9	394	
∅ Total Cations	----	0.01	meq/L	292	27.9	31.8	54.0	419	
∅ Ionic Balance	----	0.01	%	0.58	5.24	0.80	3.53	3.00	
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L	16	475	54	51	51	
EP005: Total Organic Carbon (TOC)									
Total Organic Carbon	----	1	mg/L	16	542	54	54	61	
EP025FD: Field Dissolved Oxygen									
Dissolved Oxygen	----	0.01	mg/L	1.10	0.41	1.45	1.42	1.29	
Dissolved Oxygen - % Saturation	----	0.1	% saturation	13.4	4.6	15.8	15.6	17.3	
EP035G: Total Phenol by Discrete Analyser									
Phenols (Total)	----	0.05	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	
FWI-EN/001: Groundwater Sampling - Depth									
Depth	----	0.01	m	1.00	0.23	0.22	0.22	0.38	



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	MD 10B	Rocklow Down	Rocklow Middle	Rocklow Up	BLANK
Sampling date / time				25-Feb-2022 09:45	25-Feb-2022 08:15	25-Feb-2022 09:20	25-Feb-2022 09:10	25-Feb-2022 08:10	
Compound	CAS Number	LOR	Unit	EW2200850-016	EW2200850-017	EW2200850-018	EW2200850-019	EW2200850-020	
				Result	Result	Result	Result	Result	
EA005FD: Field pH									
pH	----	0.1	pH Unit	7.1	7.0	7.2	7.1	----	
EA010FD: Field Conductivity									
Electrical Conductivity (Non Compensated)	----	1	µS/cm	1640	376	1060	457	----	
EA020FD: Field Salinity									
Salinity	----	0.2	g/L	0.9	<0.2	0.5	0.2	----	
EA116: Temperature									
Temperature	----	0.1	°C	21.2	21.9	22.3	22.2	----	
ED037P: Alkalinity by PC Titrator									
Hydroxide Alkalinity as CaCO3	DMO-210-001	1	mg/L	<1	<1	<1	<1	----	
Carbonate Alkalinity as CaCO3	3812-32-6	1	mg/L	<1	<1	<1	<1	----	
Bicarbonate Alkalinity as CaCO3	71-52-3	1	mg/L	576	79	98	57	----	
Total Alkalinity as CaCO3	----	1	mg/L	576	79	98	57	----	
ED041G: Sulfate (Turbidimetric) as SO4 2- by DA									
Sulfate as SO4 - Turbidimetric	14808-79-8	1	mg/L	<20	51	32	27	----	
ED045G: Chloride by Discrete Analyser									
Chloride	16887-00-6	1	mg/L	176	61	253	97	----	
ED093F: Dissolved Major Cations									
Calcium	7440-70-2	1	mg/L	77	----	----	----	----	
Magnesium	7439-95-4	1	mg/L	34	----	----	----	----	
Sodium	7440-23-5	1	mg/L	102	----	----	----	----	
Potassium	7440-09-7	1	mg/L	51	----	----	----	----	
ED093T: Total Major Cations									
Calcium	7440-70-2	1	mg/L	----	15	14	15	----	
Magnesium	7439-95-4	1	mg/L	----	8	15	10	----	
Sodium	7440-23-5	1	mg/L	----	47	164	57	----	
Potassium	7440-09-7	1	mg/L	----	6	15	7	----	
EG020F: Dissolved Metals by ICP-MS									
Manganese	7439-96-5	0.001	mg/L	0.278	----	----	----	<0.001	
Iron	7439-89-6	0.05	mg/L	0.58	----	----	----	<0.05	
EG020T: Total Metals by ICP-MS									
Manganese	7439-96-5	0.001	mg/L	----	0.030	0.019	0.034	----	
Iron	7439-89-6	0.05	mg/L	----	1.50	0.65	1.69	----	



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	MD 10B	Rocklow Down	Rocklow Middle	Rocklow Up	BLANK
Sampling date / time				25-Feb-2022 09:45	25-Feb-2022 08:15	25-Feb-2022 09:20	25-Feb-2022 09:10	25-Feb-2022 08:10	
Compound	CAS Number	LOR	Unit	EW2200850-016	EW2200850-017	EW2200850-018	EW2200850-019	EW2200850-020	
				Result	Result	Result	Result	Result	
EK040P: Fluoride by PC Titrator									
Fluoride	16984-48-8	0.1	mg/L	1.0	0.1	0.3	0.1	----	
EK055G: Ammonia as N by Discrete Analyser									
Ammonia as N	7664-41-7	0.01	mg/L	71.1	0.59	0.05	0.06	----	
EK057G: Nitrite as N by Discrete Analyser									
Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.09	0.03	<0.01	----	
EK058G: Nitrate as N by Discrete Analyser									
Nitrate as N	14797-55-8	0.01	mg/L	<0.01	<0.01	0.28	0.17	----	
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser									
Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.09	0.31	0.17	----	
EN055: Ionic Balance									
∅ Total Anions	----	0.01	meq/L	16.5	----	----	----	----	
∅ Total Cations	----	0.01	meq/L	17.5	----	----	----	----	
∅ Ionic Balance	----	0.01	%	2.87	----	----	----	----	
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L	47	20	36	16	<1	
EP005: Total Organic Carbon (TOC)									
Total Organic Carbon	----	1	mg/L	48	22	40	17	----	
EP025FD: Field Dissolved Oxygen									
Dissolved Oxygen	----	0.01	mg/L	1.47	3.73	4.49	5.49	----	
Dissolved Oxygen - % Saturation	----	0.1	% saturation	16.7	42.9	52.0	63.4	----	
EP035G: Total Phenol by Discrete Analyser									
Phenols (Total)	----	0.05	mg/L	<0.05	<0.05	<0.05	<0.05	----	
FWI-EN/001: Groundwater Sampling - Depth									
Depth	----	0.01	m	0.19	----	----	----	----	



Inter-Laboratory Testing

Analysis conducted by ALS Sydney, NATA accreditation no. 825, site no. 10911 (Chemistry) 14913 (Biology).

(WATER) EP002: Dissolved Organic Carbon (DOC)

(WATER) EP005: Total Organic Carbon (TOC)

(WATER) EP035G: Total Phenol by Discrete Analyser

(WATER) EK058G: Nitrate as N by Discrete Analyser

(WATER) EK057G: Nitrite as N by Discrete Analyser

(WATER) EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser

(WATER) EK055G: Ammonia as N by Discrete Analyser

(WATER) EG020F: Dissolved Metals by ICP-MS

(WATER) ED093F: Dissolved Major Cations

(WATER) EN055: Ionic Balance

(WATER) ED045G: Chloride by Discrete Analyser

(WATER) ED037P: Alkalinity by PC Titrator

(WATER) EK040P: Fluoride by PC Titrator

(WATER) ED041G: Sulfate (Turbidimetric) as SO₄²⁻ by DA

(WATER) EG020T: Total Metals by ICP-MS

(WATER) ED093T: Total Major Cations