

CERTIFICATE OF ANALYSIS

Work Order : **EW2102258**
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 : 141275
C-O-C number : ----
Sampler : Robert DaLio
Site : ----
Quote number : EN/222
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
 4/13 Geary Pl, North Nowra 2541
 Australia NSW Australia

Telephone : 02 42253125
Date Samples Received : 20-May-2021 15:30
Date Analysis Commenced : 21-May-2021
Issue Date : 31-May-2021 10:13



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	Inorganic Chemist	Sydney Inorganics, Smithfield, NSW
Celine Conceicao	Senior Spectroscopist	Sydney Inorganics, Smithfield, NSW
Dian Dao	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
∅ = 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 for NOx on sample 12 due to sample matrix.
- EP002: It has been noted that DOC is greater than TOC for various samples, however this difference is within the limits of experimental variation.
- 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				20-May-2021 00:00	20-May-2021 13:45	20-May-2021 11:30	20-May-2021 11:44	20-May-2021 11:50	
Compound	CAS Number	LOR	Unit	EW2102258-001	EW2102258-002	EW2102258-003	EW2102258-004	EW2102258-005	
				Result	Result	Result	Result	Result	
EA005FD: Field pH									
pH	----	0.1	pH Unit	----	7.5	7.2	7.0	7.0	
EA010FD: Field Conductivity									
Electrical Conductivity (Non Compensated)	----	1	µS/cm	----	598	17000	25800	44300	
EA020FD: Field Salinity									
Salinity	----	0.2	g/L	----	0.3	10.0	15.8	28.7	
EA116: Temperature									
Temperature	----	0.1	°C	----	21.1	17.1	17.7	17.4	
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	----	232	987	786	685	
Total Alkalinity as CaCO3	----	1	mg/L	----	232	987	786	685	
ED041G: Sulfate (Turbidimetric) as SO4 2- by DA									
Sulfate as SO4 - Turbidimetric	14808-79-8	1	mg/L	----	20	718	1230	2330	
ED045G: Chloride by Discrete Analyser									
Chloride	16887-00-6	1	mg/L	----	44	4830	7720	13600	
ED093F: Dissolved Major Cations									
Calcium	7440-70-2	1	mg/L	----	50	200	365	482	
Magnesium	7439-95-4	1	mg/L	----	10	392	569	994	
Sodium	7440-23-5	1	mg/L	----	38	3020	4570	8180	
Potassium	7440-09-7	1	mg/L	----	13	171	213	323	
EG020F: Dissolved Metals by ICP-MS									
Manganese	7439-96-5	0.001	mg/L	----	0.052	0.050	0.099	0.149	
Iron	7439-89-6	0.05	mg/L	----	0.45	1.14	1.01	1.56	
EK040P: Fluoride by PC Titrator									
Fluoride	16984-48-8	0.1	mg/L	----	0.2	0.8	0.5	0.5	
EK055G: Ammonia as N by Discrete Analyser									
Ammonia as N	7664-41-7	0.01	mg/L	----	12.8	12.3	13.6	5.29	
EK057G: Nitrite as N by Discrete Analyser									
Nitrite as N	14797-65-0	0.01	mg/L	----	<0.01	0.20	<0.01	<0.01	
EK058G: Nitrate as N by Discrete Analyser									
Nitrate as N	14797-55-8	0.01	mg/L	----	0.10	2.51	0.07	<0.01	



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	MD 1A	MD 1B	MD 2A	MD 2B	MD 2C
Sampling date / time				20-May-2021 00:00	20-May-2021 13:45	20-May-2021 11:30	20-May-2021 11:44	20-May-2021 11:50	
Compound	CAS Number	LOR	Unit	EW2102258-001	EW2102258-002	EW2102258-003	EW2102258-004	EW2102258-005	
				Result	Result	Result	Result	Result	
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser									
Nitrite + Nitrate as N	----	0.01	mg/L	----	0.10	2.71	0.07	<0.01	
EN055: Ionic Balance									
∅ Total Anions	----	0.01	meq/L	----	6.29	171	259	446	
∅ Total Cations	----	0.01	meq/L	----	6.21	----	----	----	
∅ Total Cations	----	0.01	meq/L	----	----	178	269	470	
∅ Ionic Balance	----	0.01	%	----	0.61	----	----	----	
∅ Ionic Balance	----	0.01	%	----	----	2.02	1.93	2.63	
EN67 PK: Field Tests									
Field Observations	----	0.01	--	Destroyed	----	----	----	----	
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L	----	<1	56	23	55	
EP005: Total Organic Carbon (TOC)									
Total Organic Carbon	----	1	mg/L	----	<1	44	49	183	
EP025FD: Field Dissolved Oxygen									
Dissolved Oxygen	----	0.01	mg/L	----	1.23	3.01	1.26	1.14	
Dissolved Oxygen - % Saturation	----	0.1	% saturation	----	13.7	32.7	14.7	14.0	
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	----	1.19	0.38	0.54	0.58	



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	MD 4A	MD 4B	MD 4C	MD 6A	MD 6B
Sampling date / time				20-May-2021 00:00	20-May-2021 11:00	20-May-2021 11:10	20-May-2021 12:35	20-May-2021 10:30	
Compound	CAS Number	LOR	Unit	EW2102258-006	EW2102258-007	EW2102258-008	EW2102258-009	EW2102258-010	
				Result	Result	Result	Result	Result	
EA005FD: Field pH									
pH	----	0.1	pH Unit	----	7.0	6.8	7.1	7.0	
EA010FD: Field Conductivity									
Electrical Conductivity (Non Compensated)	----	1	µS/cm	----	11400	43600	4140	1370	
EA020FD: Field Salinity									
Salinity	----	0.2	g/L	----	6.5	28.2	2.2	0.7	
EA116: Temperature									
Temperature	----	0.1	°C	----	17.7	17.2	21.0	20.4	
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	----	971	837	887	616	
Total Alkalinity as CaCO3	----	1	mg/L	----	971	837	887	616	
ED041G: Sulfate (Turbidimetric) as SO4 2- by DA									
Sulfate as SO4 - Turbidimetric	14808-79-8	1	mg/L	----	435	2250	436	55	
ED045G: Chloride by Discrete Analyser									
Chloride	16887-00-6	1	mg/L	----	3070	13000	634	82	
ED093F: Dissolved Major Cations									
Calcium	7440-70-2	1	mg/L	----	298	542	181	116	
Magnesium	7439-95-4	1	mg/L	----	204	1000	80	42	
Sodium	7440-23-5	1	mg/L	----	1790	8030	593	74	
Potassium	7440-09-7	1	mg/L	----	126	311	124	36	
EG020F: Dissolved Metals by ICP-MS									
Manganese	7439-96-5	0.001	mg/L	----	0.072	0.169	0.054	0.090	
Iron	7439-89-6	0.05	mg/L	----	1.11	1.80	0.40	0.13	
EK040P: Fluoride by PC Titrator									
Fluoride	16984-48-8	0.1	mg/L	----	0.5	0.6	0.7	0.4	
EK055G: Ammonia as N by Discrete Analyser									
Ammonia as N	7664-41-7	0.01	mg/L	----	49.9	5.16	22.0	26.0	
EK057G: Nitrite as N by Discrete Analyser									
Nitrite as N	14797-65-0	0.01	mg/L	----	<0.01	<0.01	0.14	<0.01	
EK058G: Nitrate as N by Discrete Analyser									
Nitrate as N	14797-55-8	0.01	mg/L	----	0.05	<0.01	1.27	0.01	



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	MD 4A	MD 4B	MD 4C	MD 6A	MD 6B
Sampling date / time				20-May-2021 00:00	20-May-2021 11:00	20-May-2021 11:10	20-May-2021 12:35	20-May-2021 10:30	
Compound	CAS Number	LOR	Unit	EW2102258-006	EW2102258-007	EW2102258-008	EW2102258-009	EW2102258-010	
				Result	Result	Result	Result	Result	
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser									
Nitrite + Nitrate as N	----	0.01	mg/L	----	0.05	<0.01	1.41	0.01	
EN055: Ionic Balance									
∅ Total Anions	----	0.01	meq/L	----	115	430	44.7	15.8	
∅ Total Cations	----	0.01	meq/L	----	113	466	44.6	13.4	
∅ Ionic Balance	----	0.01	%	----	1.02	4.05	0.12	8.17	
EN67 PK: Field Tests									
Field Observations	----	0.01	--	Destroyed	----	----	----	----	
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L	----	16	18	55	12	
EP005: Total Organic Carbon (TOC)									
Total Organic Carbon	----	1	mg/L	----	32	20	40	20	
EP025FD: Field Dissolved Oxygen									
Dissolved Oxygen	----	0.01	mg/L	----	1.27	1.04	1.69	2.64	
Dissolved Oxygen - % Saturation	----	0.1	% saturation	----	13.6	12.6	18.9	28.9	
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	----	0.98	0.99	1.11	1.08	



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	MD 6C	MD 9A	MD 9B	MD 9C	MD 10A
Sampling date / time				20-May-2021 12:45	20-May-2021 10:30	20-May-2021 10:35	20-May-2021 10:40	20-May-2021 09:50	
Compound	CAS Number	LOR	Unit	EW2102258-011	EW2102258-012	EW2102258-013	EW2102258-014	EW2102258-015	
				Result	Result	Result	Result	Result	
EA005FD: Field pH									
pH	----	0.1	pH Unit	7.3	6.9	6.9	7.0	6.6	
EA010FD: Field Conductivity									
Electrical Conductivity (Non Compensated)	----	1	µS/cm	31300	5020	3440	9380	32400	
EA020FD: Field Salinity									
Salinity	----	0.2	g/L	19.6	2.7	1.8	5.3	20.3	
EA116: Temperature									
Temperature	----	0.1	°C	19.4	18.5	19.7	19.3	17.7	
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	452	205	1070	973	501	
Total Alkalinity as CaCO3	----	1	mg/L	452	205	1070	973	501	
ED041G: Sulfate (Turbidimetric) as SO4 2- by DA									
Sulfate as SO4 - Turbidimetric	14808-79-8	1	mg/L	1540	116	<1	217	1800	
ED045G: Chloride by Discrete Analyser									
Chloride	16887-00-6	1	mg/L	9530	1600	500	2890	9690	
ED093F: Dissolved Major Cations									
Calcium	7440-70-2	1	mg/L	406	39	162	175	674	
Magnesium	7439-95-4	1	mg/L	693	80	83	138	710	
Sodium	7440-23-5	1	mg/L	5460	879	349	1420	5570	
Potassium	7440-09-7	1	mg/L	188	55	98	142	137	
EG020F: Dissolved Metals by ICP-MS									
Manganese	7439-96-5	0.001	mg/L	0.076	0.026	0.209	0.111	0.393	
Iron	7439-89-6	0.05	mg/L	20.9	0.08	3.27	2.75	0.30	
EK040P: Fluoride by PC Titrator									
Fluoride	16984-48-8	0.1	mg/L	0.3	0.1	0.6	0.5	0.5	
EK055G: Ammonia as N by Discrete Analyser									
Ammonia as N	7664-41-7	0.01	mg/L	36.2	1.87	53.8	95.7	0.03	
EK057G: Nitrite as N by Discrete Analyser									
Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.44	<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	<0.50	0.33	0.01	0.10	



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	MD 6C	MD 9A	MD 9B	MD 9C	MD 10A
Sampling date / time				20-May-2021 12:45	20-May-2021 10:30	20-May-2021 10:35	20-May-2021 10:40	20-May-2021 09:50	
Compound	CAS Number	LOR	Unit	EW2102258-011	EW2102258-012	EW2102258-013	EW2102258-014	EW2102258-015	
				Result	Result	Result	Result	Result	
EP059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser									
Nitrite + Nitrate as N	----	0.01	mg/L	0.01	<0.50	0.33	0.02	0.10	
EN055: Ionic Balance									
∅ Total Anions	----	0.01	meq/L	310	51.6	35.5	105	321	
∅ Total Cations	----	0.01	meq/L	----	----	----	92.3	----	
∅ Total Cations	----	0.01	meq/L	320	48.2	32.6	----	338	
∅ Ionic Balance	----	0.01	%	----	----	----	6.66	----	
∅ Ionic Balance	----	0.01	%	1.54	3.48	4.23	----	2.58	
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L	3	150	3	62	58	
EP005: Total Organic Carbon (TOC)									
Total Organic Carbon	----	1	mg/L	4	159	60	59	60	
EP025FD: Field Dissolved Oxygen									
Dissolved Oxygen	----	0.01	mg/L	1.05	2.45	0.62	0.79	2.00	
Dissolved Oxygen - % Saturation	----	0.1	% saturation	12.6	26.2	6.8	8.6	23.6	
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	1.29	0.40	0.70	0.65	0.45	



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	MD 10B	Rocklow Down	Rocklow Middle	Rocklow Up	BLANK
Sampling date / time				20-May-2021 09:55	20-May-2021 08:30	20-May-2021 09:30	20-May-2021 09:05	20-May-2021 08:20	
Compound	CAS Number	LOR	Unit	EW2102258-016	EW2102258-017	EW2102258-018	EW2102258-019	EW2102258-020	
				Result	Result	Result	Result	Result	
EA005FD: Field pH									
pH	----	0.1	pH Unit	7.0	7.4	7.4	7.0	----	
EA010FD: Field Conductivity									
Electrical Conductivity (Non Compensated)	----	1	µS/cm	1810	5220	3740	1100	----	
EA020FD: Field Salinity									
Salinity	----	0.2	g/L	0.9	2.8	2.0	0.6	----	
EA116: Temperature									
Temperature	----	0.1	°C	20.8	11.8	12.5	12.4	----	
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	594	121	132	82	----	
Total Alkalinity as CaCO3	----	1	mg/L	594	121	132	82	----	
ED041G: Sulfate (Turbidimetric) as SO4 2- by DA									
Sulfate as SO4 - Turbidimetric	14808-79-8	1	mg/L	<1	264	194	62	----	
ED045G: Chloride by Discrete Analyser									
Chloride	16887-00-6	1	mg/L	190	1360	938	263	----	
ED093F: Dissolved Major Cations									
Calcium	7440-70-2	1	mg/L	86	----	----	----	----	
Magnesium	7439-95-4	1	mg/L	33	----	----	----	----	
Sodium	7440-23-5	1	mg/L	112	----	----	----	----	
Potassium	7440-09-7	1	mg/L	75	----	----	----	----	
ED093T: Total Major Cations									
Calcium	7440-70-2	1	mg/L	----	57	49	22	----	
Magnesium	7439-95-4	1	mg/L	----	98	71	24	----	
Sodium	7440-23-5	1	mg/L	----	794	553	152	----	
Potassium	7440-09-7	1	mg/L	----	30	22	8	----	
EG020F: Dissolved Metals by ICP-MS									
Manganese	7439-96-5	0.001	mg/L	0.311	----	----	----	<0.001	
Iron	7439-89-6	0.05	mg/L	0.63	----	----	----	<0.05	
EG020T: Total Metals by ICP-MS									
Manganese	7439-96-5	0.001	mg/L	----	0.044	0.072	0.093	----	
Iron	7439-89-6	0.05	mg/L	----	0.72	1.18	1.81	----	



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	MD 10B	Rocklow Down	Rocklow Middle	Rocklow Up	BLANK
Sampling date / time				20-May-2021 09:55	20-May-2021 08:30	20-May-2021 09:30	20-May-2021 09:05	20-May-2021 08:20	
Compound	CAS Number	LOR	Unit	EW2102258-016	EW2102258-017	EW2102258-018	EW2102258-019	EW2102258-020	
				Result	Result	Result	Result	Result	
EK040P: Fluoride by PC Titrator									
Fluoride	16984-48-8	0.1	mg/L	0.8	0.2	0.2	0.2	----	
EK055G: Ammonia as N by Discrete Analyser									
Ammonia as N	7664-41-7	0.01	mg/L	69.7	0.11	0.17	0.13	----	
EK057G: Nitrite as N by Discrete Analyser									
Nitrite as N	14797-65-0	0.01	mg/L	<0.01	<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	0.20	0.22	0.02	----	
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser									
Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.20	0.22	0.02	----	
EN055: Ionic Balance									
∅ Total Anions	----	0.01	meq/L	17.2	----	----	----	----	
∅ Total Cations	----	0.01	meq/L	18.8	----	----	----	----	
∅ Ionic Balance	----	0.01	%	4.27	----	----	----	----	
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L	62	9	6	6	<1	
EP005: Total Organic Carbon (TOC)									
Total Organic Carbon	----	1	mg/L	58	7	9	5	----	
EP025FD: Field Dissolved Oxygen									
Dissolved Oxygen	----	0.01	mg/L	0.72	9.35	9.36	9.54	----	
Dissolved Oxygen - % Saturation	----	0.1	% saturation	8.0	87.0	88.2	88.0	----	
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	0.64	----	----	----	----	



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 (NO_x) 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 SO₄ 2- by DA

(WATER) EG020T: Total Metals by ICP-MS

(WATER) ED093T: Total Major Cations