



**Analytical Results**

Sub-Matrix: WATER (Matrix: WATER)				Client sample ID	Rain Water	---	---	---	---
Client sampling date / time				16-Oct-2017 00:00	---	---	---	---	---
Compound	CAS Number	LOR	Unit	EW1704 001	---	---	---	---	---
				Result	---	---	---	---	---
<b>ED041G: Sulfate (Turbidimetric) as SO4 2- by DA</b>									
Sulfate as SO4 - Turbidimetric	14808-79-8	1	mg/L	2	---	---	---	---	---
<b>EG020T: Total Metals by ICP-MS</b>									
Arsenic	7440-38-2	0.001	mg/L	<0.001	---	---	---	---	---
Boron	7440-42-8	0.05	mg/L	<0.05	---	---	---	---	---
Barium	7440-39-3	0.001	mg/L	0.005	---	---	---	---	---
Beryllium	7440-41-7	0.001	mg/L	<0.001	---	---	---	---	---
Cadmium	7440-43-9	0.0001	mg/L	0.0040	---	---	---	---	---
Cobalt	7440-48-4	0.001	mg/L	<0.001	---	---	---	---	---
Chromium	7440-47-3	0.001	mg/L	<0.001	---	---	---	---	---
Copper	7440-50-8	0.001	mg/L	0.025	---	---	---	---	---
Manganese	7439-96-5	0.001	mg/L	0.034	---	---	---	---	---
Nickel	7440-02-0	0.001	mg/L	<0.001	---	---	---	---	---
Lead	7439-92-1	0.001	mg/L	0.009	---	---	---	---	---
Selenium	7782-49-2	0.01	mg/L	<0.01	---	---	---	---	---
Vanadium	7440-62-2	0.01	mg/L	<0.01	---	---	---	---	---
Zinc	7440-66-6	0.005	mg/L	0.332	---	---	---	---	---
<b>EG035T: Total Recoverable Mercury by FIMS</b>									
Mercury	7439-97-6	0.0001	mg/L	<0.0001	---	---	---	---	---
<b>EP080: BTEXN</b>									
Benzene	71-43-2	1	µg/L	<1	---	---	---	---	---
Toluene	108-88-3	2	µg/L	<2	---	---	---	---	---
Ethylbenzene	100-41-4	2	µg/L	<2	---	---	---	---	---
meta- & para-Xylene	108-38-3 106-42-3	2	µg/L	<2	---	---	---	---	---
ortho-Xylene	95-47-6	2	µg/L	<2	---	---	---	---	---
^ Total Xylenes	1330-20-7	2	µg/L	<2	---	---	---	---	---
^ Sum of BTEX	---	1	µg/L	<1	---	---	---	---	---
Naphthalene	91-20-3	5	µg/L	<5	---	---	---	---	---
<b>EP080S: TPH(V)/BTEX Surrogates</b>									
1,2-Dichloroethane-D4	17060-07-0	2	%	81.0	---	---	---	---	---
Toluene-D8	2037-26-5	2	%	106	---	---	---	---	---
4-Bromofluorobenzene	460-00-4	2	%	92.4	---	---	---	---	---



**General Comments**

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by 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

a = ALS is not NATA accredited for these tests.

- = Indicates an estimated value.

**Analytical Results**

Sub-Matrix: WATER (Matrix: WATER)		Client sample ID		Rain Water		---	---	---	---
Client sampling date / time				04-Nov-2017 00:00		---	---	---	---
Compound	CAS Number	LOR	Unit	EW	-001	---	---	---	---
				Result	---	---	---	---	---
<b>ED041G: Sulfate (Turbidimetric) as SO4 2- by DA</b>									
Sulfate as SO4 - Turbidimetric	14808-79-8	1	mg/L	3	---	---	---	---	---
<b>EG020F: Dissolved Metals by ICP-MS</b>									
Silver	7440-22-4	0.001	mg/L	<0.001	---	---	---	---	---
Strontium	7440-24-6	0.001	mg/L	0.006	---	---	---	---	---
Titanium	7440-32-6	0.01	mg/L	<0.01	---	---	---	---	---
<b>EG020T: Total Metals by ICP-MS</b>									
Aluminium	7429-90-5	0.01	mg/L	0.16	---	---	---	---	---
Barium	7440-39-3	0.001	mg/L	0.004	---	---	---	---	---
Cadmium	7440-43-9	0.0001	mg/L	0.0015	---	---	---	---	---
Copper	7440-50-8	0.001	mg/L	0.007	---	---	---	---	---
Manganese	7439-96-5	0.001	mg/L	0.012	---	---	---	---	---
Nickel	7440-02-0	0.001	mg/L	0.004	---	---	---	---	---
Lead	7439-92-1	0.001	mg/L	0.004	---	---	---	---	---
Zinc	7440-66-6	0.005	mg/L	0.039	---	---	---	---	---
Iron	7439-89-6	0.05	mg/L	0.14	---	---	---	---	---