

Sampling Point No:	798001	Location:	Bala Sludge
Date Sampled:	28/04/2025	Time Taken:	20:49
Laboratory:	ALS	Sample ID:	8358319
No. of Results:	20		
Sampling Reason:	WTW Sludge - Investigation (SW_SI)		
Type:	WTW Sludge (SW)		

Sample Results

Code	Result	Units	Qualifier	Lower Limit
238 Magnesium	1820	mg/kg		
288 Aluminium	181000	mg/kg		
357 Arsenic	12.5	mg/kg	<	
4620 pH	6.9	pH		
7774 Mercury	1.67	mg/kg	<	
8241 Volatile solids	50.8	%		
9233 Ammoniacal nitrogen	256	mg/kg	<	
9234 Sulphur	4670	mg/kg		
9271 Cadmium	0.51	mg/kg		
9272 Chromium	2.83	mg/kg	<	
9273 Copper	26	mg/kg		
9275 Nickel	3.58	mg/kg	<	
9276 Lead	5.41	mg/kg	<	
9277 Zinc	162	mg/kg		
9278 Iron	6200	mg/kg		
9281 % Dry solids	2.39	%		
9282 % Minerals	49.2	%		
9283 % K (dry weight)	0.0087	mg/kg	<	
9284 % P (dry weight)	0.0495	%		
9285 % N (dry weight)	1.17	%		

Comments:

Signed:

Approved by:

Position:

Upper Limit

Sampling Point No:	631625	Location:	CILFOR WTW SLUDGE
Date Sampled:	28/04/2025	Time Taken:	20:36
Laboratory:	ALS	Sample ID:	8358293
No. of Results:	20		
Sampling Reason:	WTW Sludge - Investigation (SW_SI)		
Type:	WTW Sludge (SW)		

Sample Results

Code	Result	Units	Qualifier	Lower Limit
238 Magnesium	1200	mg/kg		
288 Aluminium	230000	mg/kg		
357 Arsenic	9.4	mg/kg		
4620 pH	6.7	pH		
7774 Mercury	0.86	mg/kg	<	
8241 Volatile solids	47.9	%		
9233 Ammoniacal nitrogen	268	mg/kg		
9234 Sulphur	12200	mg/kg		
9271 Cadmium	0.31	mg/kg		
9272 Chromium	4.3	mg/kg	<	
9273 Copper	32.6	mg/kg		
9275 Nickel	31.8	mg/kg		
9276 Lead	2.77	mg/kg	<	
9277 Zinc	81.4	mg/kg		
9278 Iron	5700	mg/kg		
9281 % Dry solids	4.7	%		
9282 % Minerals	52.1	%		
9283 % K (dry weight)	0.0087	mg/kg	<	
9284 % P (dry weight)	0.424	%		
9285 % N (dry weight)	0.919	%		

Comments:

Signed:

Approved by:

Position:

Upper Limit

Sampling Point No:	359181	Location:	DOLBENMAEN WTW SLUDGE
Date Sampled:	28/04/2025	Time Taken:	20:44
Laboratory:	ALS	Sample ID:	8358305
No. of Results:	20		
Sampling Reason:	WTW Sludge - Investigation (SW_SI)		
Type:	WTW Sludge (SW)		

Sample Results

Code	Result	Units	Qualifier	Lower Limit
238 Magnesium	187	mg/kg		
288 Aluminium	313000	mg/kg		
357 Arsenic	14.6	mg/kg		
4620 pH	6.8	pH		
7774 Mercury	1.54	mg/kg	<	
8241 Volatile solids	34.3	%		
9233 Ammoniacal nitrogen	276	mg/kg		
9234 Sulphur	16600	mg/kg		
9271 Cadmium	0.96	mg/kg		
9272 Chromium	2.61	mg/kg	<	
9273 Copper	22.1	mg/kg		
9275 Nickel	3.31	mg/kg	<	
9276 Lead	4.99	mg/kg	<	
9277 Zinc	349	mg/kg		
9278 Iron	4960	mg/kg		
9281 % Dry solids	2.58	%		
9282 % Minerals	65.7	%		
9283 % K (dry weight)	0.0087	mg/kg	<	
9284 % P (dry weight)	0.243	%		
9285 % N (dry weight)	0.718	%		

Comments:

Signed:

Approved by:

Position:

Upper Limit

Sampling Point No:	637744	Location:	EITHIN FYNYDD (NEW) WTW SLUDGE
Date Sampled:	28/04/2025	Time Taken:	20:42
Laboratory:	ALS	Sample ID:	8358299
No. of Results:	20		
Sampling Reason:	WTW Sludge - Investigation (SW_SI)		
Type:	WTW Sludge (SW)		

Sample Results

Code	Result	Units	Qualifier	Lower Limit
238 Magnesium	356	mg/kg		
288 Aluminium	204000	mg/kg		
357 Arsenic	10.1	mg/kg	<	
4620 pH	6.4	pH		
7774 Mercury	1.34	mg/kg	<	
8241 Volatile solids	54.6	%		
9233 Ammoniacal nitrogen	203	mg/kg	<	
9234 Sulphur	14700	mg/kg		
9271 Cadmium	0.31	mg/kg	<	
9272 Chromium	2.28	mg/kg	<	
9273 Copper	25.7	mg/kg		
9275 Nickel	2.89	mg/kg	<	
9276 Lead	4.36	mg/kg	<	
9277 Zinc	34.5	mg/kg		
9278 Iron	1610	mg/kg		
9281 % Dry solids	2.99	%		
9282 % Minerals	45.4	%		
9283 % K (dry weight)	0.02	mg/kg	<	
9284 % P (dry weight)	0.27	%		
9285 % N (dry weight)	0.978	%		

Comments:

Signed:

Approved by:

Position:

Upper Limit

Sampling Point No:	698171	Location:	GARREGLWYD WTW SLUDGE
Date Sampled:	28/04/2025	Time Taken:	20:46
Laboratory:	ALS	Sample ID:	8358309
No. of Results:	20		
Sampling Reason:	WTW Sludge - Investigation (SW_SI)		
Type:	WTW Sludge (SW)		

Sample Results

Code	Result	Units	Qualifier	Lower Limit
238 Magnesium	556	mg/kg		
288 Aluminium	5310	mg/kg		
357 Arsenic	14.1	mg/kg		
4620 pH	6.1	pH		
7774 Mercury	0.9	mg/kg	<	
8241 Volatile solids	31.7	%		
9233 Ammoniacal nitrogen	136	mg/kg	<	
9234 Sulphur	2690	mg/kg		
9271 Cadmium	1.35	mg/kg		
9272 Chromium	14.8	mg/kg		
9273 Copper	28.9	mg/kg		
9275 Nickel	22.1	mg/kg		
9276 Lead	31.8	mg/kg		
9277 Zinc	441	mg/kg		
9278 Iron	471000	mg/kg		
9281 % Dry solids	4.51	%		
9282 % Minerals	68.3	%		
9283 % K (dry weight)	0.01	mg/kg	<	
9284 % P (dry weight)	0.132	%		
9285 % N (dry weight)	0.693	%		

Comments:

Signed:

Approved by:

Position:

Upper Limit

Sampling Point No:	698194	Location:	GWASTADGOED WTW SLUDGE
Date Sampled:	28/04/2025	Time Taken:	20:45
Laboratory:	ALS	Sample ID:	8358307
No. of Results:	20		
Sampling Reason:	WTW Sludge - Investigation (SW_SI)		
Type:	WTW Sludge (SW)		

Sample Results

Code	Result	Units	Qualifier	Lower Limit
238 Magnesium	320	mg/kg		
288 Aluminium	3230	mg/kg		
357 Arsenic	15.2	mg/kg		
4620 pH	5.6	pH		
7774 Mercury	0.68	mg/kg	<	
8241 Volatile solids	16.3	%		
9233 Ammoniacal nitrogen	102	mg/kg	<	
9234 Sulphur	10800	mg/kg		
9271 Cadmium	0.3	mg/kg		
9272 Chromium	1.15	mg/kg	<	
9273 Copper	1.96	mg/kg	<	
9275 Nickel	61.5	mg/kg		
9276 Lead	26.1	mg/kg		
9277 Zinc	163	mg/kg		
9278 Iron	519000	mg/kg		
9281 % Dry solids	5.99	%		
9282 % Minerals	83.7	%		
9283 % K (dry weight)	0.01	mg/kg	<	
9284 % P (dry weight)	0.168	%		
9285 % N (dry weight)	0.317	%		

Comments:

Signed:

Approved by:

Position:

Upper Limit

Sampling Point No:	698086	Location:	LLYN CONWY SLUDGE
Date Sampled:	28/04/2025	Time Taken:	20:50
Laboratory:	ALS	Sample ID:	8358323
No. of Results:	20		
Sampling Reason:	WTW Sludge - Investigation (SW_SI)		
Type:	WTW Sludge (SW)		

Sample Results

Code	Result	Units	Qualifier	Lower Limit
238 Magnesium	353	mg/kg		
288 Aluminium	3410	mg/kg		
357 Arsenic	25.6	mg/kg		
4620 pH	5.7	pH		
7774 Mercury	0.97	mg/kg	<	
8241 Volatile solids	32.6	%		
9233 Ammoniacal nitrogen	149	mg/kg	<	
9234 Sulphur	4260	mg/kg		
9271 Cadmium	1.16	mg/kg		
9272 Chromium	14.4	mg/kg		
9273 Copper	860	mg/kg		
9275 Nickel	32.3	mg/kg		
9276 Lead	56.6	mg/kg		
9277 Zinc	360	mg/kg		
9278 Iron	448000	mg/kg		
9281 % Dry solids	4.12	%		
9282 % Minerals	67.4	%		
9283 % K (dry weight)	0.01	mg/kg	<	
9284 % P (dry weight)	0.113	%		
9285 % N (dry weight)	0.594	%		

Comments:

Signed:

Approved by:

Position:

Upper Limit

Sampling Point No:	612654	Location:	PEN Y CEFN WTW SLUDGE
Date Sampled:	28/04/2025	Time Taken:	20:43
Laboratory:	ALS	Sample ID:	8358301
No. of Results:	20		
Sampling Reason:	WTW Sludge - Investigation (SW_SI)		
Type:	WTW Sludge (SW)		

Sample Results

Code	Result	Units	Qualifier	Lower Limit
238 Magnesium	489	mg/kg		
288 Aluminium	178000	mg/kg		
357 Arsenic	43.1	mg/kg		
4620 pH	6.4	pH		
7774 Mercury	1.46	mg/kg	<	
8241 Volatile solids	40	%		
9233 Ammoniacal nitrogen	220	mg/kg	<	
9234 Sulphur	12800	mg/kg		
9271 Cadmium	0.34	mg/kg	<	
9272 Chromium	2.47	mg/kg	<	
9273 Copper	40.4	mg/kg		
9275 Nickel	3.13	mg/kg	<	
9276 Lead	4.72	mg/kg	<	
9277 Zinc	78.2	mg/kg		
9278 Iron	4360	mg/kg		
9281 % Dry solids	2.76	%		
9282 % Minerals	60	%		
9283 % K (dry weight)	0.0087	mg/kg	<	
9284 % P (dry weight)	0.306	%		
9285 % N (dry weight)	1.34	%		

Comments:

Signed:

Approved by:

Position:

Upper Limit

Sampling Point No:	698181	Location:	Penybont WTW SLUDGE
Date Sampled:	28/04/2025	Time Taken:	20:43
Laboratory:	ALS	Sample ID:	8358303
No. of Results:	20		
Sampling Reason:	WTW Sludge - Investigation (SW_SI)		
Type:	WTW Sludge (SW)		

Sample Results

Code	Result	Units	Qualifier	Lower Limit
238 Magnesium	1070	mg/kg		
288 Aluminium	217000	mg/kg		
357 Arsenic	47.7	mg/kg		
4620 pH	6.8	pH		
7774 Mercury	1.49	mg/kg	<	
8241 Volatile solids	30.8	%		
9233 Ammoniacal nitrogen	227	mg/kg	<	
9234 Sulphur	13000	mg/kg		
9271 Cadmium	0.35	mg/kg	<	
9272 Chromium	4.56	mg/kg		
9273 Copper	34.7	mg/kg		
9275 Nickel	7.9	mg/kg		
9276 Lead	4.84	mg/kg	<	
9277 Zinc	99.7	mg/kg		
9278 Iron	9250	mg/kg		
9281 % Dry solids	2.68	%		
9282 % Minerals	69.2	%		
9283 % K (dry weight)	0.02	mg/kg	<	
9284 % P (dry weight)	0.546	%		
9285 % N (dry weight)	0.858	%		

Comments:

Signed:

Approved by:

Position:

Upper Limit

Sampling Point No:	618214	Location:	RHIW GOCH WTW SLUDGE
Date Sampled:	28/04/2025	Time Taken:	20:41
Laboratory:	ALS	Sample ID:	8358297
No. of Results:	20		
Sampling Reason:	WTW Sludge - Investigation (SW_SI)		
Type:	WTW Sludge (SW)		

Sample Results

Code	Result	Units	Qualifier	Lower Limit
238 Magnesium	437	mg/kg		
288 Aluminium	5030	mg/kg		
357 Arsenic	11.5	mg/kg		
4620 pH	6.2	pH		
7774 Mercury	0.91	mg/kg	<	
8241 Volatile solids	30.9	%		
9233 Ammoniacal nitrogen	139	mg/kg	<	
9234 Sulphur	3100	mg/kg		
9271 Cadmium	0.87	mg/kg		
9272 Chromium	14.7	mg/kg		
9273 Copper	16.7	mg/kg		
9275 Nickel	15.9	mg/kg		
9276 Lead	27.7	mg/kg		
9277 Zinc	299	mg/kg		
9278 Iron	464000	mg/kg		
9281 % Dry solids	4.4	%		
9282 % Minerals	69.1	%		
9283 % K (dry weight)	0.01	mg/kg	<	
9284 % P (dry weight)	0.287	%		
9285 % N (dry weight)	0.616	%		

Comments:

Signed:

Approved by:

Position:

Upper Limit
