

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:

Sampling Point No:	23600	Location:	BRYN COWLYD WTW - SLUDGE Byproduct
Date Sampled:	28/04/2025	Time Taken:	20:51
Laboratory:	ALS	Sample ID:	8358325
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	369	mg/kg		
288 Aluminium	3720	mg/kg		
357 Arsenic	13.1	mg/kg		
4620 pH	5.9	pH		
7774 Mercury	1.72	mg/kg	<	
8241 Volatile solids	29.6	%		
9233 Ammoniacal nitrogen	262	mg/kg	<	
9234 Sulphur	4180	mg/kg		
9271 Cadmium	0.73	mg/kg		
9272 Chromium	2.92	mg/kg	<	
9273 Copper	4.98	mg/kg	<	
9275 Nickel	37.2	mg/kg		
9276 Lead	13	mg/kg		
9277 Zinc	168	mg/kg		
9278 Iron	460000	mg/kg		
9281 % Dry solids	2.33	%		
9282 % Minerals	70.4	%		
9283 % K (dry weight)	0.02	mg/kg	<	
9284 % P (dry weight)	0.0301	%		
9285 % N (dry weight)	0.664	%	<	

Comments:

Signed:

Approved by:

Position:

Sampling Point No:	622914	Location:	CEFNI WTW SLUDGE
Date Sampled:	28/04/2025	Time Taken:	20:53
Laboratory:	ALS	Sample ID:	8358329
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	930	mg/kg		
288 Aluminium	215000	mg/kg		
357 Arsenic	10.7	mg/kg		
4620 pH	6.7	pH		
7774 Mercury	1.21	mg/kg	<	
8241 Volatile solids	44.7	%		
9233 Ammoniacal nitrogen	182	mg/kg	<	
9234 Sulphur	12700	mg/kg		
9271 Cadmium	0.32	mg/kg		
9272 Chromium	2.05	mg/kg	<	
9273 Copper	27.1	mg/kg		
9275 Nickel	9	mg/kg		
9276 Lead	3.91	mg/kg	<	
9277 Zinc	85.7	mg/kg		
9278 Iron	3550	mg/kg		
9281 % Dry solids	3.33	%		
9282 % Minerals	55.3	%		
9283 % K (dry weight)	0.01	mg/kg	<	
9284 % P (dry weight)	0.357	%		
9285 % N (dry weight)	0.934	%		

Comments:

Signed:

Approved by:

Position:

Sampling Point No:	698007	Location:	CWELLYN WTW SLUDGE
Date Sampled:	28/04/2025	Time Taken:	20:55
Laboratory:	ALS	Sample ID:	8358333
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	970	mg/kg		
288 Aluminium	252000	mg/kg		
357 Arsenic	10.8	mg/kg		
4620 pH	6.6	pH		
7774 Mercury	1.35	mg/kg	<	
8241 Volatile solids	44.8	%		
9233 Ammoniacal nitrogen	203	mg/kg	<	
9234 Sulphur	12400	mg/kg		
9271 Cadmium	0.34	mg/kg		
9272 Chromium	2.28	mg/kg	<	
9273 Copper	27.9	mg/kg		
9275 Nickel	5.5	mg/kg		
9276 Lead	4.35	mg/kg	<	
9277 Zinc	138	mg/kg		
9278 Iron	3570	mg/kg		
9281 % Dry solids	3	%		
9282 % Minerals	55.2	%		
9283 % K (dry weight)	0.0087	mg/kg	<	
9284 % P (dry weight)	0.32	%		
9285 % N (dry weight)	0.951	%		

Comments:

Signed:

Approved by:

Position:

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:

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:

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:

Sampling Point No:	698028	Location:	MYNYDD LLANDEGAI SLUDGE
Date Sampled:	28/04/2025	Time Taken:	20:54
Laboratory:	ALS	Sample ID:	8358331
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	992	mg/kg		
288 Aluminium	183000	mg/kg		
357 Arsenic	9.1	mg/kg		
4620 pH	6.8	pH		
7774 Mercury	1.17	mg/kg	<	
8241 Volatile solids	44.8	%		
9233 Ammoniacal nitrogen	178	mg/kg	<	
9234 Sulphur	11800	mg/kg		
9271 Cadmium	0.27	mg/kg	<	
9272 Chromium	1.99	mg/kg	<	
9273 Copper	27.2	mg/kg		
9275 Nickel	8.5	mg/kg		
9276 Lead	3.8	mg/kg	<	
9277 Zinc	105	mg/kg		
9278 Iron	3260	mg/kg		
9281 % Dry solids	3.43	%		
9282 % Minerals	55.2	%		
9283 % K (dry weight)	0.0087	mg/kg	<	
9284 % P (dry weight)	0.338	%		
9285 % N (dry weight)	0.902	%		

Comments:

Signed:

Approved by:

Position:

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:

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: