

APPENDIX F

WAC Results

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Contaminant	No. of samples	No. of samples below detection limit	WAC (mg/kg)	No. of samples exceeding WAC	Location and Depth (mbgl)
pH	5	0	Non-hazardous	28	Site 1 TP12 (2.5); TP13 (2.5); TP14 (3); TP15 (2); TP15 (4.5)
	10				TP1 (2.7); TP2 (3.5); TP3 (2); TP3 (4.2); TP5 (3); TP6 (2); TP7 (3); TP8 (2); TP10 (2.5); TP10 (4)
	5				TP20 (4); TP21 (3); TP22 (1.5); TP23 (2.5); TP24 (2)
	4				TP25 (2.5); TP26 (2.5); TP27 (2.5); TP28 (2)
	4				TP16 (3); TP17 (2.5); TP18 (1.5); TP19 (2)
	5				Site 1 TP13 (2.5); TP15 (2)
	10				Site 2 TP3 (2); TP6 (2)
	5				Site 3A TP23 (2.5)
	4				Site 3B TP17 (2.5)
	4				Site 3C TP17 (2.5)
Total Organic Carbon	4	27	Hazardous	1	Site 3C TP18 (1.5)
	5				Site 1 TP15 (4.5)
	10				Site 2 TP2 (3.5); TP7 (3)
	5				Site 3A TP21 (3); TP23 (2.5)
	4				Site 3B TP25 (2.5); TP26 (2.5)
	4				Site 3C TP17 (2.5); TP19 (2.5)
	5				Site 1 TP13 (2.5)
	4				Site 3C TP18 (1.5)
	5				Site 1 TP14 (3)
	10				Site 1 TP14 (3)
Antimony	5	17	Inert	9	Site 1 TP1 (2.7); TP3 (2); TP8 (2)
	10				Site 2 TP24 (2)
	5				Site 2 TP1 (2.7); TP2 (3.5); TP7 (3)
	4				Site 3A TP21 (3)
	4				Site 3B TP26 (2.5)
	4				Site 3C TP16 (3); TP18 (1.5)
	5				Site 2 TP3 (2); TP8 (2)
	4				Site 3A TP24 (2)
	4				Site 3C TP18 (1.5)
	5				Site 3A TP23 (2.5)
Total PCBs (7 Congeners)	5	27	Inert	1	Site 3A TP23 (2.5)
	5				Site 3A TP23 (2.5)
	10				Site 3C TP18 (1.5)
	5				Site 1 TP14 (3)
	10				Site 1 TP14 (3)
	5				Site 2 TP1 (2.7); TP3 (2); TP8 (2)
	4				Site 3A TP24 (2)
	5				Site 2 TP1 (2.7); TP2 (3.5); TP7 (3)
	4				Site 3A TP21 (3)
	4				Site 3B TP26 (2.5)
Sulphate	5	23	Inert	5	Site 1 TP16 (3); TP18 (1.5)
	10				Site 2 TP3 (2); TP8 (2)
	5				Site 3A TP24 (2)
	4				Site 2 TP16 (3); TP18 (1.5)
	5				Site 3A TP24 (2)
	4				Site 3C TP18 (1.5)
	5				Site 2 TP3 (2); TP8 (2)
	4				Site 3A TP24 (2)
	4				Site 3C TP18 (1.5)
	5				Site 3A TP23 (2.5)
Molybdenum	5	21	Inert	7	Site 3A TP23 (2.5)
	10				Site 3A TP23 (2.5)
	4				Site 3C TP18 (1.5)
	4				Site 3A TP24 (2)
	5				Site 2 TP3 (2); TP8 (2)
	4				Site 3A TP24 (2)
	4				Site 3C TP18 (1.5)
	5				Site 2 TP3 (2); TP8 (2)
	4				Site 3A TP24 (2)
	4				Site 3C TP18 (1.5)
Total Dissolved Solids	5	23	Inert	4	Site 3A TP23 (2.5)
	10				Site 3A TP23 (2.5)
	5				Site 3C TP18 (1.5)
	4				Site 1 TP14 (3)
	5				Site 1 TP14 (3)
	4				Site 2 TP1 (2.7); TP3 (2); TP8 (2)
	4				Site 3A TP24 (2)
	4				Site 2 TP16 (3); TP18 (1.5)
	5				Site 3A TP24 (2)
	4				Site 3C TP18 (1.5)
Loss on Ignition	5	27	Hazardous	1	Site 3A TP23 (2.5)
	5				Site 3A TP23 (2.5)
	4				Site 3C TP18 (1.5)
	4				Site 3A TP24 (2)
	5				Site 2 TP3 (2); TP8 (2)
	4				Site 3A TP24 (2)
	4				Site 3C TP18 (1.5)
	5				Site 2 TP3 (2); TP8 (2)
	4				Site 3A TP24 (2)
	4				Site 3C TP18 (1.5)
Lead	5	26	Inert	2	Site 3A TP23 (2.5)
	4				Site 3A TP23 (2.5)
	5				Site 3C TP18 (1.5)
	4				Site 3A TP24 (2)
	5				Site 2 TP3 (2); TP8 (2)
	4				Site 3A TP24 (2)
	4				Site 3C TP18 (1.5)
	5				Site 2 TP3 (2); TP8 (2)
	4				Site 3A TP24 (2)
	4				Site 3C TP18 (1.5)
TPH Total WAC (Mineral Oil)	4	23	Inert	5	Site 3A TP23 (2.5)
	4				Site 3A TP23 (2.5)
	4				Site 3C TP18 (1.5)
	4				Site 3A TP24 (2)
	4				Site 2 TP3 (2); TP8 (2)
	4				Site 3A TP24 (2)
	4				Site 3C TP18 (1.5)
	4				Site 2 TP3 (2); TP8 (2)
	4				Site 3A TP24 (2)
	4				Site 3C TP18 (1.5)
Mercury	4	27	Inert	1	Site 3C TP18 (1.5)
	4				Site 3C TP18 (1.5)
	4				Site 3C TP18 (1.5)
	4				Site 3C TP18 (1.5)
	4				Site 3C TP18 (1.5)
	4				Site 3C TP18 (1.5)
	4				Site 3C TP18 (1.5)
	4				Site 3C TP18 (1.5)
	4				Site 3C TP18 (1.5)
	4				Site 3C TP18 (1.5)
Nickel	4	27	Inert	1	Site 3C TP18 (1.5)
	4				Site 3C TP18 (1.5)
	4				Site 3C TP18 (1.5)
	4				Site 3C TP18 (1.5)
	4				Site 3C TP18 (1.5)
	4				Site 3C TP18 (1.5)
	4				Site 3C TP18 (1.5)
	4				Site 3C TP18 (1.5)
	4				Site 3C TP18 (1.5)
	4				Site 3C TP18 (1.5)
Selenium	4	27	Inert	1	Site 3C TP18 (1.5)
	4				Site 3C TP18 (1.5)
	4				Site 3C TP18 (1.5)
	4				Site 3C TP18 (1.5)
	4				Site 3C TP18 (1.5)
	4				Site 3C TP18 (1.5)
	4				Site 3C TP18 (1.5)
	4				Site 3C TP18 (1.5)
	4				Site 3C TP18 (1.5)
	4				Site 3C TP18 (1.5)
Chloride	4	27	Inert	1	Site 3C TP18 (1.5)
	4				Site 3C TP18 (1.5)
	4				Site 3C TP18 (1.5)
	4				Site 3C TP18 (1.5)
	4				Site 3C TP18 (1.5)
	4				Site 3C TP18 (1.5)
	4				Site 3C TP18 (1.5)
	4				Site 3C TP18 (1.5)
	4				Site 3C TP18 (1.5)
	4				Site 3C TP18 (1.5)

Chemtest Job No: 15-29156 Chemtest Sample ID: 231389 Sample Ref: TP12 Sample ID: 2.50 Top Depth(m): Bottom Depth(m): Sampling Date: 08-Dec-2015		SOP 2625 2610 2760 2815 2670 2700 2010 2015		Accred. U U U U U N U N	Units % % mg/kg mg/kg mg/kg mg/kg mol/kg	Landfill Waste Acceptance Criteria				
Landfill Waste Acceptance Criteria						Limits				
						Inert Waste Landfill		Stable, Non-reactive hazardous waste in non-hazardous Landfill		Hazardous Waste Landfill
Total Organic Carbon	1450	0.0019	mg/l	U	2:1	8:1	2:1	Cumulative	for compliance	
Loss On Ignition	1450	0.046	mg/kg	U	mg/l	mg/kg	mg/kg	mg/kg 10:1	EN 12457-3 at L	
Total BTEX	1450	0.00017	mg/kg	U	mg/l	mg/kg	mg/kg	mg/kg 10:1	EN 12457-3 at L	
Total PCBs (7 Congeners)	1450	0.0017	mg/kg	U	mg/l	mg/kg	mg/kg	mg/kg 10:1	EN 12457-3 at L	
TPH Total WAC (Mineral Oil)	1450	0.0042	mg/kg	U	mg/l	mg/kg	mg/kg	mg/kg 10:1	EN 12457-3 at L	
Total (Of 17) PAH's	1450	0.00090	mg/kg	U	mg/l	mg/kg	mg/kg	mg/kg 10:1	EN 12457-3 at L	
pH	1450	0.0097	mol/kg	U	mg/l	mg/kg	mg/kg	mg/kg 10:1	EN 12457-3 at L	
Acid Neutralisation Capacity	1450	0.0016	mol/kg	U	mg/l	mg/kg	mg/kg	mg/kg 10:1	EN 12457-3 at L	
Eluate Analysis										
Arsenic	1450	0.0019	mg/l	U	mg/l	mg/kg	mg/kg	mg/kg 10:1	EN 12457-3 at L	
Barium	1450	0.046	mg/kg	U	mg/l	mg/kg	mg/kg	mg/kg 10:1	EN 12457-3 at L	
Cadmium	1450	0.00017	mg/kg	U	mg/l	mg/kg	mg/kg	mg/kg 10:1	EN 12457-3 at L	
Chromium	1450	0.0017	mg/kg	U	mg/l	mg/kg	mg/kg	mg/kg 10:1	EN 12457-3 at L	
Copper	1450	0.0042	mg/kg	U	mg/l	mg/kg	mg/kg	mg/kg 10:1	EN 12457-3 at L	
Mercury	1450	0.00090	mg/kg	U	mg/l	mg/kg	mg/kg	mg/kg 10:1	EN 12457-3 at L	
Molybdenum	1450	0.0016	mg/kg	U	mg/l	mg/kg	mg/kg	mg/kg 10:1	EN 12457-3 at L	
Nickel	1450	0.0016	mg/kg	U	mg/l	mg/kg	mg/kg	mg/kg 10:1	EN 12457-3 at L	
Lead	1450	< 0.0010	mg/kg	U	mg/l	mg/kg	mg/kg	mg/kg 10:1	EN 12457-3 at L	
Antimony	1450	0.0018	mg/kg	U	mg/l	mg/kg	mg/kg	mg/kg 10:1	EN 12457-3 at L	
Selenium	1450	0.0020	mg/kg	U	mg/l	mg/kg	mg/kg	mg/kg 10:1	EN 12457-3 at L	
Zinc	1450	0.0031	mg/kg	U	mg/l	mg/kg	mg/kg	mg/kg 10:1	EN 12457-3 at L	
Chloride	1220	3.3	mg/kg	U	mg/l	mg/kg	mg/kg	mg/kg 10:1	EN 12457-3 at L	
Fluoride	1220	0.29	mg/kg	U	mg/l	mg/kg	mg/kg	mg/kg 10:1	EN 12457-3 at L	
Sulphate	1220	8.8	mg/kg	U	mg/l	mg/kg	mg/kg	mg/kg 10:1	EN 12457-3 at L	
Total Dissolved Solids	1020	190	mg/kg	N	mg/l	mg/kg	mg/kg	mg/kg 10:1	EN 12457-3 at L	
Phenol Index	1920	< 0.030	mg/kg	U	mg/l	mg/kg	mg/kg	mg/kg 10:1	EN 12457-3 at L	
Dissolved Organic Carbon	1610	16	mg/kg	U	mg/l	mg/kg	mg/kg	mg/kg 10:1	EN 12457-3 at L	

Solid Information	
Dry mass of test portion/kg	0.175
Moisture (%)	16

Leachate Test Information	
Leachant volume 1st extract/l	0.317
Leachant volume 2nd extract/l	1.400
Eluant recovered from 1st extract/l	0.233

Chemtest Job No: 15-29156		SOP		Units											
Chemtest Sample ID: 231390		Accred.		%											
Sample Ref: TP13		U		%											
Top Depth(m): 2.50		U		mg/kg											
Bottom Depth(m):		U		mg/kg											
Sampling Date: 08-Dec-2015		U		mg/kg											
Determindand		N		mg/kg											
Total Organic Carbon		U		mol/kg											
Loss On Ignition		N													
Total BTEX		U													
Total PCBs (7 Congeners)		U													
TPH Total WAC (Mineral Oil)		U													
Total (Of 17) PAH's		U													
pH		U													
Acid Neutralisation Capacity		U													
Eluate Analysis		U													
Arsenic	1450	U	0.0075	2:1 mg/l	0.0086	8:1 mg/l	2:1 mg/kg	2:1 mg/kg	Cumulative mg/kg 10:1	0.084	for compliance EN 12457-3 at 1	0.5	Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Barium	1450	U	0.025	2:1 mg/l	0.011	0.011	< 0.050	< 0.050	< 0.050	< 0.50		20			25
Cadmium	1450	U	< 0.00010	2:1 mg/l	0.00010	0.00010	< 0.010	< 0.010	< 0.010	< 0.010	0.04	1			300
Chromium	1450	U	< 0.0010	2:1 mg/l	< 0.0010	< 0.0010	< 0.050	< 0.050	< 0.050	< 0.050	0.5	10			5
Copper	1450	U	0.012	2:1 mg/l	0.012	0.012	< 0.050	< 0.050	< 0.050	< 0.050	2	50			70
Mercury	1450	U	< 0.00050	2:1 mg/l	< 0.00050	< 0.00050	< 0.0010	< 0.0010	< 0.0050	< 0.0050	0.01	0.2			100
Molybdenum	1450	U	0.015	2:1 mg/l	0.010	0.010	< 0.050	< 0.050	0.11	0.11	0.5	10			2
Nickel	1450	U	0.0023	2:1 mg/l	0.0022	0.0022	< 0.050	< 0.050	< 0.050	< 0.050	0.4	10			30
Lead	1450	U	0.0011	2:1 mg/l	0.014	0.014	< 0.010	< 0.010	0.13	0.13	0.5	10			40
Antimony	1450	U	0.14	2:1 mg/l	0.10	0.10	0.27	0.27	1.0	1.0	0.06	0.7			5
Selenium	1450	U	0.0012	2:1 mg/l	< 0.0010	< 0.0010	< 0.010	< 0.010	< 0.010	< 0.010	0.1	0.5			7
Zinc	1450	U	0.0072	2:1 mg/l	0.011	0.011	< 0.50	< 0.50	< 0.50	< 0.50	4	50			200
Chloride	1220	U	5.1	2:1 mg/l	1.7	1.7	< 10	< 10	20	20	800	15000			25000
Fluoride	1220	U	0.23	2:1 mg/l	0.25	0.25	< 1.0	< 1.0	2.5	2.5	10	150			500
Sulphate	1220	U	44	2:1 mg/l	12	12	86	86	150	150	1000	20000			50000
Total Dissolved Solids	1020	N	210	2:1 mg/l	110	110	410	410	1200	1200	4000	60000			100000
Phenol Index	1920	U	< 0.030	2:1 mg/l	< 0.030	< 0.030	< 0.30	< 0.30	< 0.50	< 0.50	1	-			-
Dissolved Organic Carbon	1610	U	18	2:1 mg/l	29	29	< 50	< 50	280	280	500	800			1000

Solid Information	
Dry mass of test portion/kg	0.175
Moisture (%)	21

Leachate Test Information	
Leachant volume 1st extract/l	0.304
Leachant volume 2nd extract/l	1.400
Eluant recovered from 1st extract/l	0.181

Chemtest Job No: 15-29156
Chemtest Sample ID: 231391
Sample Ref: TP14
Sample ID: 3.00
Top Depth(m):
Bottom Depth(m):
Sampling Date: 08-Dec-2015

Determinand	SOP	Accred.	Units
Total Organic Carbon	2625	U	%
Loss On Ignition	2610	U	%
Total BTEX	2760	U	mg/kg
Total PCBs (7 Congeners)	2815	U	mg/kg
TPH Total WAC (Mineral Oil)	2670	U	mg/kg
Total (Of 17) PAH's	2700	N	mg/kg
pH	2010	U	
Acid Neutralisation Capacity	2015	N	mmol/kg

Eluate Analysis	mg/l	8:1	mg/l	2:1	mg/kg	Cumulative mg/kg 10:1	Landfill Waste Acceptance Criteria			
							Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill	
Arsenic	0.0032	0.0011	< 0.050	< 0.050	< 0.050	0.053	3	5	6	
Barium	0.067	0.023	< 0.50	< 0.50	< 0.50	7.0	--	--	10	
Cadmium	< 0.0010	< 0.0010	< 0.010	< 0.010	< 0.010	< 0.010	6	--	--	
Chromium	< 0.0010	< 0.0010	< 0.050	< 0.050	< 0.050	1.9	1	--	--	
Copper	0.0021	< 0.0010	< 0.050	< 0.050	< 0.050	< 10	500	--	--	
Mercury	< 0.00050	< 0.00050	< 0.0010	< 0.0010	< 0.0010	18	100	--	--	
Molybdenum	0.0094	0.0073	< 0.050	< 0.050	0.075	7.4	--	>6	--	
Nickel	0.0039	0.0011	< 0.050	< 0.050	< 0.050	0.053	--	To evaluate	To evaluate	
Lead	0.0012	< 0.0010	< 0.010	< 0.010	< 0.010		--	To evaluate	To evaluate	
Antimony	0.0073	0.0017	0.014	0.014	0.024					
Selenium	0.0014	< 0.0010	< 0.010	< 0.010	< 0.010					
Zinc	0.044	0.011	< 0.50	< 0.50	< 0.50					
Chloride	5.7	< 1.0	11	11	< 10					
Fluoride	0.17	0.24	< 1.0	< 1.0	2.3					
Sulphate	1100	150	2200	2200	2700					
Total Dissolved Solids	1000	300	1900	1900	3900					
Phenol Index	< 0.030	< 0.030	< 0.30	< 0.30	< 0.50					
Dissolved Organic Carbon	1610	16	< 50	< 50	160					
							for compliance EN 12457-3 at 1			
							0.5	2	25	
							20	100	300	
							0.04	1	5	
							0.5	10	70	
							2	50	100	
							0.01	0.2	2	
							0.5	10	30	
							0.4	10	40	
							0.5	10	50	
							0.06	0.7	5	
							0.1	0.5	7	
							4	50	200	
							800	15000	25000	
							10	150	500	
							1000	20000	50000	
							4000	60000	100000	
							1	-	-	
							500	800	1000	

Solid Information	
Dry mass of test portion/kg	0.175
Moisture (%)	20

Leachate Test Information	
Leachant volume 1st extract/l	0.306
Leachant volume 2nd extract/l	1.400
Eluant recovered from 1st extract/l	0.218

Chemtest Job No: 15-29330		Chemtest Sample ID: 232030		Sample Ref: TP15		Top Depth(m): 2.00		Bottom Depth(m): 09-Dec-2015		Sampling Date: 09-Dec-2015	
Determinand	SOP	Accred.	Units	Landfill Waste Acceptance Criteria							
				Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill					
Total Organic Carbon	2625	U	%	3.1	5	6					
Loss On Ignition	2610	U	%	7.1	--	10					
Total BTEX	2760	U	mg/kg	< 0.010	--	--					
Total PCBs (7 Congeners)	2815	U	mg/kg	< 0.10	--	--					
TPH Total WAC (Mineral Oil)	2670	U	mg/kg	< 10	--	--					
Total (Of 17) PAH's	2700	N	mg/kg	12	--	--					
pH	2010	U		8.2	--	--					
Acid Neutralisation Capacity	2015	N	mol/kg	< 0.0020	To evaluate	To evaluate					
Eluate Analysis				Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg							
Arsenic	1450	U	2:1 mg/l	8:1 mg/l	2:1 mg/kg	Cumulative mg/kg 10:1	0.5	2	25		
Barium	1450	U	0.0021	0.0021	< 0.050	< 0.050	0.5	2	25		
Cadmium	1450	U	0.034	0.016	< 0.50	< 0.50	20	100	300		
Chromium	1450	U	< 0.00010	0.00010	< 0.010	< 0.010	0.04	1	5		
Copper	1450	U	0.0015	0.0010	< 0.050	< 0.050	0.5	10	70		
Mercury	1450	U	0.0051	0.0034	< 0.050	< 0.050	2	50	100		
Molybdenum	1450	U	< 0.00050	< 0.00050	< 0.0010	< 0.0050	0.01	0.2	2		
Nickel	1450	U	0.021	0.011	< 0.050	0.12	0.5	10	30		
Lead	1450	U	0.0014	< 0.0010	< 0.050	< 0.050	0.4	10	40		
Antimony	1450	U	< 0.0010	0.0039	< 0.010	0.034	0.5	10	50		
Selenium	1450	U	0.0019	0.0017	< 0.010	0.017	0.06	0.7	5		
Zinc	1450	U	0.0013	< 0.0010	< 0.010	< 0.010	0.1	0.5	7		
Chloride	1450	U	0.0032	0.0049	< 0.50	< 0.50	4	50	200		
Fluoride	1220	U	3.0	< 1.0	< 10	< 10	800	15000	25000		
Sulphate	1220	U	0.42	0.39	< 1.0	3.9	10	150	500		
Total Dissolved Solids	1220	U	26	6.4	51	87	1000	20000	50000		
Phenol Index	1020	N	180	88	350	980	4000	60000	100000		
Dissolved Organic Carbon	1920	U	< 0.030	< 0.030	< 0.30	< 0.50	1	--	--		
	1610	U	10	7.8	< 50	80	500	800	1000		

Soild Information	
Dry mass of test portion/kg	0.175
Moisture (%)	17

Leachate Test Information	
Leachant volume 1st extract/l	0.314
Leachant volume 2nd extract/l	1.400
Eluant recovered from 1st extract/l	0.203

Chemtest Job No: 15-29330 Chemtest Sample ID: 232031 Sample Ref: TP15 Sample ID: 4.50 Top Depth(m): Bottom Depth(m): Sampling Date: 09-Dec-2015			SOP 2625 2610 2760 2815 2670 2700 2010 2015		Units % % mg/kg mg/kg mg/kg mg/kg mol/kg		Accred. U U U U U N U N		Landfill Waste Acceptance Criteria Limits Inert Waste Landfill Stable, Non-reactive hazardous waste in non-hazardous Landfill Hazardous Waste Landfill		
Determinand Total Organic Carbon Loss On Ignition Total BTEX Total PCBs (7 Congeners) TPH Total WAC (Mineral Oil) Total (Of 17) PAH's pH Acid Neutralisation Capacity Eluate Analysis		8:1 mg/l 0.0039 0.047 < 0.00010 < 0.0010 0.0019 < 0.00050 0.040 0.0019 < 0.0010 0.0099 0.0013 0.0067 2.4 0.13 150 300 < 0.030 5.9		2:1 mg/kg < 0.050 < 0.50 < 0.010 < 0.050 < 0.050 < 0.0010 0.079 < 0.050 < 0.010 0.020 < 0.010 < 0.50 < 1.0 < 1.0 300 600 < 0.30 < 50		Cumulative mg/kg 10:1 0.60 2.5 < 0.010 < 0.10 < 10 < 2.0 8.3 0.036		Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg 0.5 20 0.04 0.5 2 0.01 0.5 0.4 0.5 0.06 0.1 4 800 10 1000 4000 1 500		To evaluate 5 -- -- -- -- -- -- >6 To evaluate 25 300 5 70 100 2 30 40 50 5 7 200 25000 500 50000 100000 - 1000	

Solid Information	
Dry mass of test portion/kg	0.175
Moisture (%)	11

Leachate Test Information	
Leachant volume 1st extract/l	0.328
Leachant volume 2nd extract/l	1.400
Eluant recovered from 1st extract/l	0.262

Chemtest Job No: 15-29149
 Chemtest Sample ID: 231348
 Sample Ref: TP1
 Sample ID: 2.70
 Top Depth(m):
 Bottom Depth(m):
 Sampling Date: 07-Dec-2015

Determindand	SOP	Accred.	Units	Landfill Waste Acceptance Criteria Limits		
				Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Total Organic Carbon	2625	U	%	3	5	6
Loss On Ignition	2610	U	%	--	--	10
Total BTEX	2760	U	mg/kg	6	--	--
Total PCBs (7 Congeners)	2815	U	mg/kg	1	--	--
TPH Total WAC (Mineral Oil)	2670	U	mg/kg	500	--	--
Total (Of 17) PAH's	2700	N	mg/kg	100	--	--
pH	2010	U		--	--	--
Acid Neutralisation Capacity	2015	N	mol/kg	--	>6	--
Eluate Analysis				To evaluate		
			2:1 mg/l	Cumulative for compliance EN 12457-3 at L		
Arsenic	1450	U	0.016	0.076	2	25
Barium	1450	U	0.086	< 0.50	100	300
Cadmium	1450	U	0.00033	< 0.010	1	5
Chromium	1450	U	0.0020	< 0.050	10	70
Copper	1450	U	0.0049	< 0.050	50	100
Mercury	1450	U	< 0.00050	< 0.0050	0.01	2
Molybdenum	1450	U	0.16	0.54	0.5	30
Nickel	1450	U	0.012	0.057	10	40
Lead	1450	U	0.0053	0.025	10	50
Antimony	1450	U	0.0065	0.049	0.7	5
Selenium	1450	U	0.0047	0.021	0.1	7
Zinc	1450	U	0.015	< 0.50	4	200
Chloride	1220	U	45	100	15000	25000
Fluoride	1220	U	0.35	2.8	150	500
Sulphate	1220	U	310	1000	20000	50000
Total Dissolved Solids	1020	N	720	3200	60000	100000
Phenol Index	1920	U	< 0.030	< 0.50	1	-
Dissolved Organic Carbon	1610	U	38	190	800	1000

Leachate Test Information	
Leachant volume 1st extract/l	0.313
Leachant volume 2nd extract/l	1.400
Eluant recovered from 1st extract/l	0.189

Solid Information	
Dry mass of test portion/kg	0.175
Moisture (%)	17

Chemtest Job No: 15-29149 Chemtest Sample ID: 231350 Sample Ref: TP2 Sample ID: 3.50 Top Depth(m): Bottom Depth(m): Sampling Date: 07-Dec-2015		SOP 2625 2610 2760 2815 2670 2700 2010 2015		Units % % mg/kg mg/kg mg/kg mg/kg mg/kg mol/kg		Accred. U U U U U N U N		Landfill Waste Acceptance Criteria Limits Inert Waste Landfill Stable, Non-reactive hazardous waste in non-hazardous Landfill Hazardous Waste Landfill	
Determinand Total Organic Carbon Loss On Ignition Total BTEX Total PCBs (7 Congeners) TPH Total WAC (Mineral Oil) Total (Of 17) PAH's pH Acid Neutralisation Capacity Eluate Analysis Arsenic Barium Cadmium Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium Zinc Chloride Fluoride Sulphate Total Dissolved Solids Phenol Index Dissolved Organic Carbon		0.69 4.7 < 0.010 < 0.10 < 10 < 2.0 8.2 0.024 Cumulative mg/kg 10:1 < 0.050 < 0.50 < 0.010 < 0.050 < 0.050 < 0.050 < 0.0050 0.55 < 0.050 < 0.010 0.066 0.021 < 0.50 120 2.2 970 3400 < 0.50 150		8:1 mg/l 0.0027 0.047 < 0.0010 < 0.0010 < 0.0010 < 0.00050 0.039 0.0030 < 0.0010 0.0063 0.0018 0.0052 5.0 0.21 62 260 < 0.030 13		2:1 mg/kg < 0.050 < 0.50 < 0.010 < 0.050 < 0.050 < 0.0010 0.30 < 0.050 < 0.010 0.017 < 0.010 < 0.50 110 < 1.0 600 1600 < 0.30 < 50		for compliance EN 12457-3 at L 0.5 20 0.04 0.5 2 0.01 0.5 0.4 0.5 0.06 0.1 4 800 10 1000 4000 1 500 2 100 5 70 100 2 30 40 50 5 7 200 25000 500 50000 100000 - 1000	

Soild Information	
Dry mass of test portion/kg	0.175
Moisture (%)	15

Leachate Test Information	
Leachant volume 1st extract/l	0.319
Leachant volume 2nd extract/l	1.400
Eluant recovered from 1st extract/l	0.253

Chemtest Job No: 15-29149
 Chemtest Sample ID: 231349
 Sample Ref: TP3
 Top Depth(m): 2.00
 Bottom Depth(m): 07-Dec-2015
 Sampling Date:

Determinand	SOP	Accred.	Units	Landfill Waste Acceptance Criteria		
				Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Total Organic Carbon	2625	U	%	3.5	5	6
Loss On Ignition	2610	U	%	7.3	--	10
Total BTEX	2760	U	mg/kg	< 0.010	--	--
Total PCBs (7 Congeners)	2815	U	mg/kg	< 0.10	--	--
TPH Total WAC (Mineral Oil)	2670	U	mg/kg	< 10	--	--
Total (Of 17) PAH's	2700	N	mg/kg	27	--	--
pH	2010	U		8.4	--	--
Acid Neutralisation Capacity	2015	N	mol/kg	0.020	>6	--
Eluate Analysis				for compliance EN 12457-3 at L		
Arsenic	1450	U	2:1 mg/l	Cumulative mg/kg 10:1		
Barium	1450	U	0.0038	< 0.050	0.5	25
Cadmium	1450	U	0.083	< 0.50	20	100
Chromium	1450	U	< 0.00010	< 0.010	0.04	5
Copper	1450	U	< 0.0010	< 0.050	0.5	10
Mercury	1450	U	< 0.0010	< 0.050	2	100
Molybdenum	1450	U	< 0.00050	< 0.0010	0.01	2
Nickel	1450	U	0.010	< 0.050	0.5	30
Lead	1450	U	0.027	0.052	0.4	40
Antimony	1450	U	< 0.0010	< 0.010	0.5	50
Selenium	1450	U	0.0028	< 0.010	0.06	5
Zinc	1450	U	0.0054	0.010	0.1	7
Chloride	1220	U	0.045	< 0.50	4	200
Fluoride	1220	U	7.3	14	800	25000
Sulphate	1220	U	0.078	< 1.0	10	500
Total Dissolved Solids	1020	U	1400	2800	1000	50000
Phenol Index	1920	N	1300	2500	4000	100000
Dissolved Organic Carbon	1610	U	< 0.030	< 0.30	1	-
			28	54	500	1000

Solid Information	
Dry mass of test portion/kg	0.175
Moisture (%)	22

Leachate Test Information	
Leachant volume 1st extract/l	0.302
Leachant volume 2nd extract/l	1.400
Eluant recovered from 1st extract/l	0.228

Chemtest Job No: 15-29149		Chemtest Sample ID: 231347		Sample Ref: TP3		Top Depth(m): 4.20		Bottom Depth(m):		Sampling Date: 07-Dec-2015			
Determinand	SOP	Accred.	Units	Landfill Waste Acceptance Criteria		Limits		Inert Waste Landfill		Stable, Non-reactive hazardous waste in non-hazardous Landfill		Hazardous Waste Landfill	
Total Organic Carbon	2625	U	%	0.38	3	5	6						
Loss On Ignition	2610	U	%	2.2	--	--	10						
Total BTEX	2760	U	mg/kg	< 0.010	6	--	--						
Total PCBs (7 Congeners)	2815	U	mg/kg	< 0.10	1	--	--						
TPH Total WAC (Mineral Oil)	2670	U	mg/kg	< 10	500	--	--						
Total (Of 17) PAH's	2700	N	mg/kg	< 2.0	100	--	--						
pH	2010	U		8.4	--	>6	--						
Acid Neutralisation Capacity	2015	N	mmol/kg	0.026	--	To evaluate	To evaluate						
Eluate Analysis													
			2:1 mg/l										
			8:1 mg/l										
			2:1 mg/kg										
			mg/kg										
			Cumulative mg/kg 10:1										
			For compliance EN 12457-3 at 1										
Arsenic	1450	U	< 0.0010	< 0.050	0.5	2	25						
Barium	1450	U	0.0094	< 0.50	20	100	300						
Cadmium	1450	U	< 0.0010	< 0.010	0.04	1	5						
Chromium	1450	U	< 0.0010	< 0.050	0.5	10	70						
Copper	1450	U	< 0.0010	< 0.050	2	50	100						
Mercury	1450	U	< 0.00050	< 0.0010	0.01	0.2	2						
Molybdenum	1450	U	0.0024	< 0.050	0.5	10	30						
Nickel	1450	U	< 0.0010	< 0.050	0.4	10	40						
Lead	1450	U	< 0.0010	< 0.010	0.5	10	50						
Antimony	1450	U	< 0.0010	< 0.010	0.06	0.7	5						
Selenium	1450	U	< 0.0010	< 0.010	0.1	0.5	7						
Zinc	1450	U	0.0034	< 0.50	4	50	200						
Chloride	1220	U	2.3	< 10	800	15000	25000						
Fluoride	1220	U	0.22	< 1.0	10	150	500						
Sulphate	1220	U	8.6	17	1000	20000	50000						
Total Dissolved Solids	1020	N	110	220	4000	60000	100000						
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-						
Dissolved Organic Carbon	1610	U	12	< 50	500	800	1000						

Solid Information	
Dry mass of test portion/kg	0.175
Moisture (%)	9.8

Leachate Test Information	
Leachant volume 1st extract/l	0.331
Leachant volume 2nd extract/l	1.400
Eluant recovered from 1st extract/l	0.223

Chemtest Job No: 15-29149		Chemtest Sample ID: 231353		Sample Ref: TP5		Top Depth(m): 3.00		Bottom Depth(m): 08-Dec-2015		Sampling Date: 08-Dec-2015	
Determinand	SOP	Accred.	Units	8:1 mg/l	2:1 mg/kg	Cumulative mg/kg 10:1	Inert Waste Landfill	Stable, Non- reactive hazardous waste in non- hazardous Landfill	Hazardous Waste Landfill		
Total Organic Carbon	2625	U	%	< 0.0010	< 0.050	< 0.050	3	5	6		
Loss On Ignition	2610	U	%	0.0038	< 0.50	< 0.50	---	---	10		
Total BTEX	2760	U	mg/kg	< 0.00010	< 0.010	< 0.010	6	---	---		
Total PCBs (7 Congeners)	2815	U	mg/kg	< 0.0010	< 0.050	< 0.050	1	---	---		
TPH Total WAC (Mineral Oil)	2670	U	mg/kg	< 0.0010	< 0.050	< 0.050	500	---	---		
Total (Of 17) PAH's	2700	N	mg/kg	< 0.00050	< 0.010	< 0.0050	100	---	---		
pH	2010	U		< 0.00050	< 0.010	8.2	---	> 6	---		
Acid Neutralisation Capacity	2015	N	mol/kg	0.0014	< 0.050	0.045	---	To evaluate	To evaluate		
Eluate Analysis				for compliance EN 12457-3 at L							
Arsenic	1450	U	mg/l	< 0.0010	< 0.050	< 0.050	0.5	2	25		
Barium	1450	U	mg/l	0.0080	< 0.50	< 0.50	20	100	300		
Cadmium	1450	U	mg/l	< 0.00010	< 0.010	< 0.010	0.04	1	5		
Chromium	1450	U	mg/l	< 0.0010	< 0.050	< 0.050	0.5	10	70		
Copper	1450	U	mg/l	< 0.0017	< 0.050	< 0.050	2	50	100		
Mercury	1450	U	mg/l	< 0.00050	< 0.010	< 0.0050	0.01	0.2	2		
Molybdenum	1450	U	mg/l	0.0014	< 0.050	< 0.050	0.5	10	30		
Nickel	1450	U	mg/l	< 0.0010	< 0.050	< 0.050	0.4	10	40		
Lead	1450	U	mg/l	< 0.0010	< 0.010	< 0.010	0.5	10	50		
Antimony	1450	U	mg/l	< 0.0010	< 0.010	< 0.010	0.06	0.7	5		
Selenium	1450	U	mg/l	< 0.0010	< 0.010	< 0.010	0.1	0.5	7		
Zinc	1450	U	mg/l	0.0040	< 0.50	< 0.50	4	50	200		
Chloride	1220	U	mg/l	< 1.0	< 10	< 10	800	15000	25000		
Fluoride	1220	U	mg/l	0.22	< 1.0	2.2	10	150	500		
Sulphate	1220	U	mg/l	< 1.0	16	10	1000	20000	50000		
Total Dissolved Solids	1020	N	mg/l	63	240	700	4000	60000	100000		
Phenol Index	1920	U	mg/l	< 0.030	< 0.30	< 0.50	1	-	-		
Dissolved Organic Carbon	1610	U	mg/l	12	< 50	120	500	800	1000		

Solid Information	
Dry mass of test portion/kg	0.175
Moisture (%)	15

Leachate Test Information	
Leachant volume 1st extract/l	0.319
Leachant volume 2nd extract/l	1.400
Eluant recovered from 1st extract/l	0.211

Results - 2 Stage WAC

Chemtest Job No: 15-29149 Chemtest Sample ID: 231354 Sample Ref: TP6 Sample ID: 2.00 Top Depth(m): Bottom Depth(m): Sampling Date: 08-Dec-2015		SOP 2625 2610 2760 2815 2670 2700 2010 2015		Accred. U U U U U N U N	Units % % mg/kg mg/kg mg/kg mg/kg mol/kg	Landfill Waste Acceptance Criteria Limits			
Determinand	SOP	Accred.	Units				Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Total Organic Carbon	2625	U	%	4.8			3	5	6
Loss On Ignition	2610	U	%	8.3			--	--	10
Total BTEX	2760	U	mg/kg	0.014			6	--	--
Total PCBs (7 Congeners)	2815	U	mg/kg	< 0.10			1	--	--
TPH Total WAC (Mineral Oil)	2670	U	mg/kg	40			500	--	--
Total (Of 17) PAH's	2700	N	mg/kg	< 2.0			100	--	--
pH	2010	U		8.5			--	>6	--
Acid Neutralisation Capacity	2015	N	mol/kg	0.038			--	To evaluate	To evaluate
Eluate Analysis							for compliance EN 12457-3 at 1		
Arsenic	1450	U	mg/l	2:1 mg/kg	8:1 mg/l	2:1 mg/kg	Cumulative mg/kg 10:1		
Barium	1450	U	0.011	< 0.050	0.0050	< 0.050	0.057	2	25
Cadmium	1450	U	0.041	< 0.50	0.022	< 0.50	< 0.50	100	300
Chromium	1450	U	0.00022	< 0.010	< 0.00010	< 0.010	< 0.010	1	5
Copper	1450	U	0.0010	< 0.050	< 0.0010	< 0.050	< 0.050	10	70
Mercury	1450	U	0.0030	< 0.050	0.0014	< 0.050	< 0.050	50	100
Molybdenum	1450	U	< 0.00050	< 0.0010	< 0.00050	< 0.0010	< 0.0050	0.2	2
Nickel	1450	U	0.096	0.19	0.025	0.19	0.33	10	30
Lead	1450	U	0.015	< 0.050	0.0063	< 0.050	0.073	10	40
Antimony	1450	U	0.0097	0.019	0.0050	0.019	0.055	10	50
Selenium	1450	U	0.0051	0.010	0.0046	0.010	0.046	0.7	5
Zinc	1450	U	0.0029	< 0.010	0.0014	< 0.010	0.016	0.5	7
Chloride	1220	U	30	< 0.50	0.0062	< 0.50	< 0.50	4	200
Fluoride	1220	U	0.46	59	5.1	59	80	15000	25000
Sulphate	1220	U	260	< 1.0	0.32	< 1.0	3.4	150	500
Total Dissolved Solids	1020	N	680	1300	250	1300	3000	20000	50000
Phenol Index	1920	U	< 0.030	< 0.30	< 0.030	< 0.30	< 0.50	60000	100000
Dissolved Organic Carbon	1610	U	42	82	19	82	220	800	1000

Solid Information	
Dry mass of test portion/kg	0.175
Moisture (%)	17

Leachate Test Information	
Leachant volume 1st extract/l	0.313
Leachant volume 2nd extract/l	1.400
Eluant recovered from 1st extract/l	0.208

Chemtest Job No: 15-29149 Chemtest Sample ID: 231345 Sample Ref: TP7 Sample ID: 3.00 Top Depth(m): Bottom Depth(m): Sampling Date: 08-Dec-2015		SOP 2625 2610 2760 2815 2670 2700 2010 2015		Accred. U U U U U N U N		Units % % mg/kg mg/kg mg/kg mg/kg mol/kg							
Determinand Total Organic Carbon Loss On Ignition Total BTEX Total PCBs (7 Congeners) TPH Total WAC (Mineral Oil) Total (Of 17) PAH's pH Acid Neutralisation Capacity		2:1 mg/l 0.014 0.039 0.00044 0.0020 0.0032 < 0.00050 0.15 0.015 0.0017 0.0061 0.0039 0.0068 46 0.31 130 550 < 0.030 27		8:1 mg/l 0.0056 0.025 0.00011 < 0.0010 0.0016 < 0.00050 0.040 0.0045 0.0010 0.0067 0.0030 0.0044 7.3 0.21 50 240 < 0.030 15		2:1 mg/kg < 0.050 < 0.50 < 0.010 < 0.050 < 0.050 < 0.0010 0.30 < 0.050 < 0.010 0.012 < 0.010 < 0.50 90 < 1.0 260 1100 < 0.30 53		Cumulative mg/kg 10:1 0.064 < 0.50 < 0.010 < 0.050 < 0.050 < 0.0050 0.51 0.055 0.011 0.066 0.031 < 0.50 110 2.2 580 2700 < 0.50 160		for compliance EN 12457-3 at l 0.5 20 0.04 0.5 2 0.01 0.5 0.4 0.5 0.06 0.1 4 800 10 1000 4000 1 500		Landfill Waste Acceptance Criteria Limits Inert Waste Landfill Stable, Non-reactive hazardous waste in non-hazardous Landfill Hazardous Waste Landfill 3 -- 6 1 500 100 -- -- To evaluate To evaluate 5 -- -- -- -- -- >6 To evaluate To evaluate 6 10 -- -- -- -- -- -- -- -- 800 150 20000 60000 - 800 500 50000 100000 - 1000	

Solid Information	
Dry mass of test portion/kg	0.175
Moisture (%)	17

Leachate Test Information	
Leachant volume 1st extract/l	0.315
Leachant volume 2nd extract/l	1.400
Eluant recovered from 1st extract/l	0.177

Chemtest Job No: 15-29149 Chemtest Sample ID: 231346 Sample Ref: TP8 Top Depth(m): 2.00 Bottom Depth(m): 08-Dec-2015 Sampling Date:		SOP 2625 2610 2760 2815 2670 2700 2010 2015		Units % % mg/kg mg/kg mg/kg mg/kg mg/kg mol/kg		Accred. U U U U U N U N		Landfill Waste Acceptance Criteria Limits Inert Waste Landfill Stable, Non-reactive hazardous waste in non-hazardous Landfill Hazardous Waste Landfill				
Total Organic Carbon	1450	0.0057	2:1 mg/l	0.0018	2:1 mg/kg	0.050	8:1 mg/l	0.018	0.050	0.99	3	6
Loss On Ignition	1450	0.081	0.077	0.077	0.050	0.50	0.077	0.77	0.77	3.1	--	10
Total BTEX	1450	< 0.00010	< 0.00010	< 0.00010	< 0.010	0.010	< 0.00010	< 0.010	< 0.010	< 0.010	6	--
Total PCBs (7 Congeners)	1450	< 0.0010	< 0.0010	< 0.0010	< 0.050	0.050	< 0.0010	< 0.050	< 0.050	< 0.10	1	--
TPH Total WAC (Mineral Oil)	1450	0.0015	0.0015	0.0015	< 0.050	0.050	< 0.0010	< 0.050	< 0.050	< 1.0	500	--
Total (Of 17) PAH's	1450	< 0.00050	< 0.00050	< 0.00050	< 0.010	0.010	< 0.00050	< 0.010	< 0.010	< 2.0	100	--
pH	1450	0.020	0.020	0.060	< 0.050	0.050	0.060	0.079	0.079	8.0	--	--
Acid Neutralisation Capacity	1450	0.013	0.013	0.063	< 0.050	0.050	0.063	0.072	0.072	0.021	--	To evaluate
Eluate Analysis	1450	< 0.0010	< 0.0010	< 0.0010	< 0.010	0.010	< 0.0010	< 0.010	< 0.010	0.021	--	To evaluate
Arsenic	1450	0.0057	2:1 mg/l	0.0018	2:1 mg/kg	0.050	8:1 mg/l	0.018	0.050	Cumulative mg/kg 10:1	0.5	25
Barium	1450	0.081	0.077	0.077	0.050	0.50	0.077	0.77	0.77	for compliance EN 12457-3 at 1	20	100
Cadmium	1450	< 0.00010	< 0.00010	< 0.00010	< 0.010	0.010	< 0.00010	< 0.010	< 0.010		0.04	1
Chromium	1450	< 0.0010	< 0.0010	< 0.0010	< 0.050	0.050	< 0.0010	< 0.050	< 0.050		0.5	10
Copper	1450	0.0015	0.0015	0.0015	< 0.050	0.050	< 0.0010	< 0.050	< 0.050		2	50
Mercury	1450	< 0.00050	< 0.00050	< 0.00050	< 0.010	0.010	< 0.00050	< 0.010	< 0.010		0.01	0.2
Molybdenum	1450	0.020	0.020	0.060	< 0.050	0.050	0.060	0.079	0.079		0.5	10
Nickel	1450	0.013	0.013	0.063	< 0.050	0.050	0.063	0.072	0.072		0.4	10
Lead	1450	< 0.0010	< 0.0010	< 0.0010	< 0.010	0.010	< 0.0010	< 0.010	< 0.010		0.5	10
Antimony	1450	0.0025	0.0025	0.015	< 0.010	0.010	0.015	0.016	0.016		0.06	0.7
Selenium	1450	0.0038	0.0038	0.010	< 0.010	0.010	0.010	0.014	0.014		0.1	0.5
Zinc	1450	0.027	0.027	0.015	< 0.50	0.50	0.015	< 0.50	< 0.50		4	50
Chloride	1220	38	38	4.4	75	75	4.4	90	90		800	15000
Fluoride	1220	0.16	0.16	0.15	< 1.0	1.0	0.15	1.5	1.5		10	150
Sulphate	1220	820	820	300	1600	1600	300	3700	3700		1000	20000
Total Dissolved Solids	1020	1200	1200	500	2400	2400	500	5900	5900		4000	60000
Phenol Index	1920	< 0.030	< 0.030	< 0.030	< 0.30	0.30	< 0.030	< 0.30	< 0.30		1	-
Dissolved Organic Carbon	1610	41	41	20	81	81	20	230	230		500	800

Leachate Test Information	
Leachant volume 1st extract/l	0.315
Leachant volume 2nd extract/l	1.400
Eluant recovered from 1st extract/l	0.240

Solid Information	
Dry mass of test portion/kg	0.175
Moisture (%)	17

Chemtest Job No: 15-29149		Chemtest Sample ID: 231351		Sample Ref: TP10		Top Depth(m): 2.50		Bottom Depth(m): 08-Dec-2015		Sampling Date:		
Determinand	SOP	Accred.	Units	8:1 mg/l		2:1 mg/kg		Cumulative mg/kg 10:1		Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Total Organic Carbon	2625	U	%	0.0075	< 0.050	0.088	0.70	0.70	3	5	6	
Loss On Ignition	2610	U	%	0.011	< 0.50	< 0.50	2.4	2.4	--	--	10	
Total BTEX	2760	U	mg/kg	0.00010	< 0.010	< 0.010	< 0.010	< 0.010	6	--	--	
Total PCBs (7 Congeners)	2815	U	mg/kg	< 0.0010	< 0.050	< 0.050	< 0.10	< 0.10	1	--	--	
TPH Total WAC (Mineral Oil)	2670	U	mg/kg	0.0056	< 0.050	< 0.050	< 10	< 10	500	--	--	
Total (Of 17) PAH's	2700	N	mg/kg	< 0.0050	< 0.0010	< 0.0050	< 2.0	< 2.0	100	--	--	
pH	2010	U					8.1	8.1	--	>6	--	
Acid Neutralisation Capacity	2015	N	mol/kg				0.022	0.022	--	To evaluate	To evaluate	
Eluate Analysis				2:1 mg/l		mg/kg		mg/kg 10:1		for compliance EN 12457-3 at L		
Arsenic	1450	U		0.018	< 0.050	0.088	0.088	0.088	0.5	2	25	
Barium	1450	U		0.030	< 0.50	< 0.50	< 0.50	< 0.50	20	100	300	
Cadmium	1450	U		0.00014	< 0.010	< 0.010	< 0.010	< 0.010	0.04	1	5	
Chromium	1450	U		0.0011	< 0.050	< 0.050	< 0.050	< 0.050	0.5	10	70	
Copper	1450	U		0.0056	< 0.050	< 0.050	< 0.050	< 0.050	2	50	100	
Mercury	1450	U		< 0.00050	< 0.0010	< 0.0050	< 0.0050	< 0.0050	0.01	0.2	2	
Molybdenum	1450	U		0.045	0.089	0.14	0.14	0.14	0.5	10	30	
Nickel	1450	U		0.012	< 0.050	< 0.050	< 0.050	< 0.050	0.4	10	40	
Lead	1450	U		< 0.0010	< 0.010	< 0.010	< 0.010	< 0.010	0.5	10	50	
Antimony	1450	U		0.012	0.024	0.059	0.059	0.059	0.06	0.7	5	
Selenium	1450	U		0.0019	< 0.010	0.011	0.011	0.011	0.1	0.5	7	
Zinc	1450	U		0.0046	< 0.50	< 0.50	< 0.50	< 0.50	4	50	200	
Chloride	1220	U		14	28	33	33	33	800	15000	25000	
Fluoride	1220	U		0.29	< 1.0	2.2	2.2	2.2	10	150	500	
Sulphate	1220	U		64	130	170	170	170	1000	20000	50000	
Total Dissolved Solids	1020	N		290	570	1400	1400	1400	4000	60000	100000	
Phenol Index	1920	U		< 0.030	< 0.30	< 0.50	< 0.50	< 0.50	1	--	--	
Dissolved Organic Carbon	1610	U		24	< 50	130	130	130	500	800	1000	

Solid Information	
Dry mass of test portion/kg	0.175
Moisture (%)	16

Leachate Test Information	
Leachant volume 1st extract/l	0.317
Leachant volume 2nd extract/l	1.400
Eluant recovered from 1st extract/l	0.221

Chemtest Job No: 15-29149 Chemtest Sample ID: 231352 Sample Ref: TP10 Top Depth(m): 4.00 Bottom Depth(m): 08-Dec-2015 Sampling Date:		SOP 2625 2610 2760 2815 2670 2700 2010 2015		Units % % mg/kg mg/kg mg/kg mg/kg mg/kg mol/kg		Accred. U U U U U N U N		Landfill Waste Acceptance Criteria Limits Inert Waste Landfill Stable, Non-reactive hazardous waste in non-hazardous Landfill Hazardous Waste Landfill		
Total Organic Carbon	1450	0.0023	0.0015	< 0.050	< 0.050	0.5	3	5	6	
Loss On Ignition	1450	0.020	0.0065	< 0.50	< 0.50	20	--	--	10	
Total BTEX	1450	< 0.00010	< 0.00010	< 0.010	< 0.010	0.04	6	--	--	
Total PCBs (7 Congeners)	1450	< 0.0010	< 0.0010	< 0.050	< 0.050	0.5	1	--	--	
TPH Total WAC (Mineral Oil)	1450	0.0041	0.0028	< 0.050	< 0.050	2	500	--	--	
Total (Of 17) PAH's	1450	< 0.00050	< 0.00050	< 0.010	< 0.0050	0.01	100	--	--	
pH	1450	0.0062	0.0021	< 0.050	< 0.050	0.5	--	--	--	
Acid Neutralisation Capacity	1450	0.0032	0.0012	< 0.050	< 0.050	0.4	--	>6	--	
Eluate Analysis	1450	< 0.0010	< 0.0010	< 0.010	< 0.010	0.5	--	To evaluate	To evaluate	
Arsenic	1450	0.0015	0.0015	< 0.050	< 0.050	0.5	0.5	2	25	
Barium	1450	0.020	0.0065	< 0.50	< 0.50	20	20	100	300	
Cadmium	1450	< 0.00010	< 0.00010	< 0.010	< 0.010	0.04	0.04	1	5	
Chromium	1450	< 0.0010	< 0.0010	< 0.050	< 0.050	0.5	0.5	10	70	
Copper	1450	0.0041	0.0028	< 0.050	< 0.050	2	2	50	100	
Mercury	1450	< 0.00050	< 0.00050	< 0.010	< 0.0050	0.01	0.01	0.2	2	
Molybdenum	1450	0.0062	0.0021	< 0.050	< 0.050	0.5	0.5	10	30	
Nickel	1450	0.0032	0.0012	< 0.050	< 0.050	0.4	0.4	10	40	
Lead	1450	< 0.0010	< 0.0010	< 0.010	< 0.010	0.5	0.5	10	50	
Antimony	1450	0.0015	< 0.0010	< 0.010	< 0.010	0.06	0.06	0.7	5	
Selenium	1450	0.0017	0.0012	< 0.010	0.013	0.1	0.1	0.5	7	
Zinc	1450	0.0016	0.0013	< 0.50	< 0.50	4	4	50	200	
Chloride	1220	1.7	1.1	< 10	12	800	800	15000	25000	
Fluoride	1220	0.27	0.14	< 1.0	1.6	10	10	150	500	
Sulphate	1220	8.6	< 1.0	17	14	1000	1000	20000	50000	
Total Dissolved Solids	1020	120	62	240	710	4000	4000	60000	100000	
Phenol Index	1920	< 0.030	< 0.030	< 0.30	< 0.50	1	1	-	-	
Dissolved Organic Carbon	1610	13	12	< 50	120	500	500	800	1000	

Leachate Test Information	
Leachant volume 1st extract/l	0.341
Leachant volume 2nd extract/l	1.400
Eluant recovered from 1st extract/l	0.283

Solid Information	
Dry mass of test portion/kg	0.175
Moisture (%)	5.1

Chemtest Job No: 15-29330		SOP		Units	
Chemtest Sample ID: 232044		Accred.		%	
Sample Ref: TP20		U		%	
Sample ID: 4.00		U		mg/kg	
Top Depth(m):		U		mg/kg	
Bottom Depth(m):		U		mg/kg	
Sampling Date: 10-Dec-2015		N		mg/kg	
Determiand		U		mol/kg	
Total Organic Carbon		N			
Loss On Ignition					
Total BTEX					
Total PCBs (7 Congeners)					
TPH Total WAC (Mineral Oil)					
Total (Of 17) PAH's					
pH					
Acid Neutralisation Capacity					
Eluate Analysis					
Arsenic		2:1		8:1	
Barium		mg/l		mg/kg	
Cadmium		mg/kg		mg/kg	
Chromium		mg/kg		mg/kg	
Copper		mg/kg		mg/kg	
Mercury		mg/kg		mg/kg	
Molybdenum		mg/kg		mg/kg	
Nickel		mg/kg		mg/kg	
Lead		mg/kg		mg/kg	
Antimony		mg/kg		mg/kg	
Selenium		mg/kg		mg/kg	
Zinc		mg/kg		mg/kg	
Chloride		mg/kg		mg/kg	
Fluoride		mg/kg		mg/kg	
Sulphate		mg/kg		mg/kg	
Total Dissolved Solids		mg/kg		mg/kg	
Phenol Index		mg/kg		mg/kg	
Dissolved Organic Carbon		mg/kg		mg/kg	

Landfill Waste Acceptance Criteria	
Limits	
Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill
3	5
6	10
1	--
500	--
100	--
--	--
--	>6
--	To evaluate
--	To evaluate

Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg	
0.5	2
20	100
0.04	1
0.5	10
2	50
0.01	0.2
0.5	10
0.4	10
0.5	10
0.06	0.7
0.1	0.5
4	50
800	15000
10	150
1000	20000
4000	60000
1	-
500	800

Cumulative mg/kg 10:1	
< 0.050	25
< 0.50	300
< 0.010	5
< 0.050	70
< 0.050	100
< 0.0050	2
0.15	30
< 0.050	40
< 0.010	50
0.030	5
0.011	7
< 0.50	200
< 10	25000
1.5	500
160	50000
1200	100000
< 0.50	-
130	1000

Solid Information	
Dry mass of test portion/kg	0.175
Moisture (%)	16

Leachate Test Information	
Leachant volume 1st extract/l	0.317
Leachant volume 2nd extract/l	1.400
Eluant recovered from 1st extract/l	0.209

Chemtest Job No: 15-29330		SOP		Units		Landfill Waste Acceptance Criteria		
Chemtest Sample ID: 232043		Accred.		Units		inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample Ref: TP21								
Sample ID: 3.00								
Top Depth(m):								
Bottom Depth(m):								
Sampling Date: 10-Dec-2015								
Determinand	SOP	Accred.	Units	8:1 mg/l	2:1 mg/kg	Cumulative mg/kg 10:1	Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg	To evaluate
Total Organic Carbon	2625	U	%	0.0087	< 0.050	0.095	0.5	2
Loss On Ignition	2610	U	%	0.028	< 0.50	< 0.50	20	100
Total BTEX	2760	U	mg/kg	0.00015	< 0.010	< 0.010	0.04	1
Total PCBs (7 Congeners)	2815	U	mg/kg	0.0016	< 0.050	< 0.050	0.5	10
TPH Total WAC (Mineral Oil)	2670	U	mg/kg	0.0066	< 0.050	< 0.050	2	50
Total (Of 17) PAH's	2700	N	mg/kg	< 0.00050	< 0.0010	< 0.0050	0.01	0.2
pH	2010	U		0.061	0.42	0.71	0.5	10
Acid Neutralisation Capacity	2015	N	mmol/kg	0.037	0.073	0.15	0.4	10
Eluate Analysis				0.0068	0.014	0.071	0.5	10
Arsenic	1450	U	mg/l	0.021	0.042	0.13	0.06	0.7
Barium	1450	U	mg/l	0.037	0.073	0.15	0.1	0.5
Cadmium	1450	U	mg/l	0.0068	0.014	0.071	0.1	0.5
Chromium	1450	U	mg/l	0.0066	0.013	0.030	0.1	0.5
Copper	1450	U	mg/l	< 0.00050	< 0.0010	< 0.0050	0.01	0.2
Mercury	1450	U	mg/l	0.21	0.42	0.71	0.5	10
Molybdenum	1450	U	mg/l	0.037	0.073	0.15	0.4	10
Nickel	1450	U	mg/l	0.0068	0.014	0.071	0.5	10
Lead	1450	U	mg/l	0.021	0.042	0.13	0.06	0.7
Antimony	1450	U	mg/l	0.0066	0.013	0.030	0.1	0.5
Selenium	1450	U	mg/l	< 0.00050	< 0.0010	< 0.0050	0.01	0.2
Zinc	1450	U	mg/l	0.21	0.42	0.71	0.5	10
Chloride	1220	U	mg/l	0.015	< 0.50	< 0.50	4	50
Fluoride	1220	U	mg/l	150	290	300	800	15000
Sulphate	1220	U	mg/l	0.34	< 1.0	2.2	10	150
Total Dissolved Solids	1020	N	mg/l	140	280	630	1000	20000
Phenol Index	1920	U	mg/l	810	1600	3300	4000	60000
Dissolved Organic Carbon	1610	U	mg/l	< 0.030	< 0.30	< 0.50	1	-
				13	110	160	500	800

Leachate Test Information	
Leachant volume 1st extract/l	0.327
Leachant volume 2nd extract/l	1.400
Eluant recovered from 1st extract/l	0.120

Solid Information	
Dry mass of test portion/kg	0.175
Moisture (%)	12

Chemtest Job No: 15-29330 Chemtest Sample ID: 232042 Sample Ref: TP22 Sample ID: 1.50 Top Depth(m): Bottom Depth(m): Sampling Date: 10-Dec-2015		SOP 2625 2610 2760 2815 2670 2700 2010 2015		Accred. U U U U U N U N	Units % % mg/kg mg/kg mg/kg mg/kg mol/kg		
Determinand Total Organic Carbon Loss On Ignition Total BTEX Total PCBs (7 Congeners) TPH Total WAC (Mineral Oil) Total (Of 17) PAH's pH Acid Neutralisation Capacity		2:1 mg/l 0.0011 0.021 < 0.00010 < 0.0010 0.0035 < 0.00050 0.0095 0.0014 0.0017 0.0020 0.0049 0.0018 2.8 0.15 9.4 160 < 0.030 15		8:1 mg/l 0.0013 0.0087 0.00010 < 0.0010 0.0025 < 0.00050 0.0071 < 0.0010 < 0.0010 0.0013 0.0019 < 0.0010 < 1.0 0.16 1.3 73 < 0.030 14		2:1 mg/kg < 0.050 < 0.50 < 0.010 < 0.050 < 0.050 < 0.0010 < 0.050 < 0.050 < 0.010 < 0.010 < 0.010 < 0.50 < 10 < 1.0 19 320 < 0.30 < 50	
Eluate Analysis Arsenic Barium Cadmium Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium Zinc Chloride Fluoride Sulphate Total Dissolved Solids Phenol Index Dissolved Organic Carbon		Cumulative mg/kg 10:1 < 0.050 < 0.50 < 0.010 < 0.050 < 0.050 < 0.0050 0.074 < 0.050 < 0.010 0.014 0.023 < 0.50 < 10 1.6 25 850 < 0.50 140		Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg 0.5 20 0.04 0.5 2 0.01 0.5 0.4 0.5 0.06 0.1 4 800 10 1000 4000 1 500			
Landfill Waste Acceptance Criteria Limits		Inert Waste Landfill		Stable, Non-reactive hazardous waste in non-hazardous Landfill		Hazardous Waste Landfill	
						3 5 6 1 500 100 >6 To evaluate To evaluate	

Leachate Test Information	
Leachant volume 1st extract/l	0.323
Leachant volume 2nd extract/l	1.400
Eluant recovered from 1st extract/l	0.250

Solid Information	
Dry mass of test portion/kg	0.175
Moisture (%)	14

Chemtest Job No: 15-29330		Chemtest Sample ID: 232041		Sample Ref: TP23		Top Depth(m): 2.50		Bottom Depth(m):		Sampling Date: 09-Dec-2015	
Determinand	SOP	Accred.	Units	8:1 mg/l		2:1 mg/kg		Cumulative mg/kg 10:1	Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Total Organic Carbon	2625	U	%	0.011	0.0055	< 0.050	< 0.050	0.061	3	5	6
Loss On Ignition	2610	U	%	0.095	0.056	< 0.50	< 0.50	0.60	--	--	10
Total BTEX	2760	U	mg/kg	0.00031	0.00028	< 0.010	< 0.010	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815	U	mg/kg	< 0.0010	< 0.0010	< 0.050	< 0.050	< 0.050	1	--	--
TPH Total WAC (Mineral Oil)	2670	U	mg/kg	0.019	0.040	< 0.050	< 0.050	< 0.050	500	--	--
Total (Of 17) PAH's	2700	N	mg/kg	< 0.00050	< 0.00050	< 0.0010	< 0.0010	< 0.0050	100	--	--
pH	2010	U		0.041	0.18	< 0.010	< 0.010	0.47	--	>6	--
Acid Neutralisation Capacity	2015	N	mol/kg	0.095	0.023	< 0.050	< 0.050	0.11	--	To evaluate	To evaluate
Eluate Analysis											
Arsenic	1450	U	mg/l	0.011	0.0055	< 0.050	< 0.050	0.061	0.5	2	25
Barium	1450	U	mg/l	0.095	0.056	< 0.50	< 0.50	0.60	20	100	300
Cadmium	1450	U	mg/l	0.00031	0.00028	< 0.010	< 0.010	< 0.010	0.04	1	5
Chromium	1450	U	mg/l	< 0.0010	< 0.0010	< 0.050	< 0.050	< 0.050	0.5	10	70
Copper	1450	U	mg/l	0.019	0.040	< 0.050	< 0.050	< 0.050	2	50	100
Mercury	1450	U	mg/l	< 0.00050	< 0.00050	< 0.0010	< 0.0010	< 0.0050	0.01	0.2	2
Molybdenum	1450	U	mg/l	0.095	0.041	< 0.010	< 0.010	0.18	0.5	10	30
Nickel	1450	U	mg/l	0.023	0.010	< 0.050	< 0.050	0.11	0.4	10	40
Lead	1450	U	mg/l	0.033	0.063	< 0.050	< 0.050	0.59	0.5	10	50
Antimony	1450	U	mg/l	0.049	0.042	< 0.050	< 0.050	0.42	0.06	0.7	5
Selenium	1450	U	mg/l	0.0017	< 0.0010	< 0.010	< 0.010	< 0.010	0.1	0.5	7
Zinc	1450	U	mg/l	0.071	0.043	< 0.50	< 0.50	< 0.50	4	50	200
Chloride	1220	U	mg/l	15	1.6	28	28	31	800	15000	25000
Fluoride	1220	U	mg/l	0.21	0.23	< 1.0	< 1.0	2.3	10	150	500
Sulphate	1220	U	mg/l	230	42	440	440	640	1000	20000	50000
Total Dissolved Solids	1020	N	mg/l	500	180	940	940	2200	4000	60000	100000
Phenol Index	1920	U	mg/l	< 0.030	< 0.030	< 0.30	< 0.30	< 0.50	1	--	--
Dissolved Organic Carbon	1610	U	mg/l	54	34	100	100	360	500	800	1000

Leachate Test Information	
Leachant volume 1st extract/l	0.280
Leachant volume 2nd extract/l	1.400
Eluant recovered from 1st extract-l	0.204

Solid Information	
Dry mass of test portion/kg	0.175
Moisture (%)	29

Chemtest Job No: 15-29330		232032		10-Dec-2015	
Chemtest Sample ID: TP24		2.00		10-Dec-2015	
Sample Ref: 2.00		2.00		10-Dec-2015	
Top Depth(m):		2.00		10-Dec-2015	
Bottom Depth(m):		2.00		10-Dec-2015	
Sampling Date:		2.00		10-Dec-2015	
Determinand	SOP	Accred.	Units	Landfill Waste Acceptance Criteria Limits	
Total Organic Carbon	2625	U	%	3	5
Loss On Ignition	2610	U	%	--	--
Total BTEX	2760	U	mg/kg	6	--
Total PCBs (7 Congeners)	2815	U	mg/kg	1	--
TPH Total WAC (Mineral Oil)	2670	U	mg/kg	500	--
Total (Of 17) PAH's	2700	N	mg/kg	100	--
pH	2010	U		--	--
Acid Neutralisation Capacity	2015	N	mol/kg	--	--
Eluate Analysis				Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg	
Arsenic	1450	U	2:1 mg/l	Cumulative mg/kg 10:1	0.5
Barium	1450	U	0.0110	< 0.050	2
Cadmium	1450	U	0.098	< 0.50	100
Chromium	1450	U	< 0.00010	< 0.010	1
Copper	1450	U	< 0.0010	< 0.050	10
Mercury	1450	U	0.0034	< 0.050	50
Molybdenum	1450	U	< 0.00050	< 0.0050	0.01
Nickel	1450	U	0.057	0.29	0.5
Lead	1450	U	0.030	0.12	10
Antimony	1450	U	0.0025	0.059	0.4
Selenium	1450	U	0.0025	< 0.010	10
Zinc	1450	U	0.0033	0.026	5
Chloride	1450	U	0.0033	0.030	0.7
Fluoride	1450	U	0.0054	0.011	0.1
Sulphate	1450	U	0.031	< 0.50	4
Total Dissolved Solids	1220	U	71	150	50
Phenol Index	1220	U	0.44	2.5	15000
Dissolved Organic Carbon	1220	U	860	3000	25000
	1020	N	1200	5300	500
	1920	U	< 0.030	< 0.50	1
	1610	U	61	260	800

Solid Information	
Dry mass of test portion/kg	0.175
Moisture (%)	17

Leachate Test Information	
Leachant volume 1st extract/l	0.313
Leachant volume 2nd extract/l	1.400
Eluant recovered from 1st extract/l	0.208

Chemtest Job No: 15-29330 Chemtest Sample ID: 232035 Sample Ref: TP25 Sample ID: 2.50 Top Depth(m): Bottom Depth(m): Sampling Date: 10-Dec-2015		SOP 2625 2610 2760 2815 2670 2700 2010 2015		Units % % mg/kg mg/kg mg/kg mg/kg mg/kg mol/kg		Accred. U U U U U N U N		Landfill Waste Acceptance Criteria Limits Inert Waste Landfill Stable, Non-reactive hazardous waste in non-hazardous Landfill Hazardous Waste Landfill		
Determinand	SOP	Units	Accred.	8:1 mg/l	2:1 mg/kg	Cumulative mg/kg 10:1	Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg	Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Total Organic Carbon	2625	%	U	0.041	0.081	0.17	0.5	3	5	6
Loss On Ignition	2610	%	U	0.043	< 0.50	< 0.50	20	--	--	10
Total BTEX	2760	mg/kg	U	0.00069	< 0.010	< 0.010	0.04	6	--	--
Total PCBs (7 Congeners)	2815	mg/kg	U	0.0031	< 0.050	< 0.050	0.5	1	--	--
TPH Total WAC (Mineral Oil)	2670	mg/kg	U	0.055	0.11	< 0.050	2	500	--	--
Total (Of 17) PAH's	2700	mg/kg	N	< 0.00050	< 0.0010	< 0.0050	0.01	100	--	--
pH	2010		U	0.029	0.40	0.40	0.5	--	>6	--
Acid Neutralisation Capacity	2015	mol/kg	N	0.012	0.11	0.15	0.4	--	To evaluate	To evaluate
Eluate Analysis										
Arsenic	1450	mg/l	U	0.015	0.024	0.17	0.06	--	To evaluate	To evaluate
Barium	1450	mg/l	U	0.017	0.11	< 0.50	0.1	--	To evaluate	To evaluate
Cadmium	1450	mg/l	U	0.00025	0.024	< 0.010	0.01	--	To evaluate	To evaluate
Chromium	1450	mg/l	U	< 0.0010	0.024	< 0.050	0.5	--	To evaluate	To evaluate
Copper	1450	mg/l	U	0.020	0.12	< 0.050	2	--	To evaluate	To evaluate
Mercury	1450	mg/l	U	< 0.00050	< 0.0010	< 0.0050	0.01	--	To evaluate	To evaluate
Molybdenum	1450	mg/l	U	0.20	0.40	0.40	0.5	--	To evaluate	To evaluate
Nickel	1450	mg/l	U	0.056	0.11	0.15	0.4	--	To evaluate	To evaluate
Lead	1450	mg/l	U	0.012	0.11	0.15	0.4	--	To evaluate	To evaluate
Antimony	1450	mg/l	U	0.012	0.024	0.15	0.5	--	To evaluate	To evaluate
Selenium	1450	mg/l	U	0.058	0.12	0.17	0.06	--	To evaluate	To evaluate
Zinc	1450	mg/l	U	0.032	0.24	0.037	0.1	--	To evaluate	To evaluate
Chloride	1450	mg/l	U	0.017	< 0.50	< 0.50	4	--	To evaluate	To evaluate
Fluoride	1220	mg/l	U	15	190	200	800	--	To evaluate	To evaluate
Sulphate	1220	mg/l	U	0.21	< 1.0	2.3	10	--	To evaluate	To evaluate
Total Dissolved Solids	1020	mg/l	N	18	140	210	1000	--	To evaluate	To evaluate
Phenol Index	1920	mg/l	U	190	1200	2200	4000	--	To evaluate	To evaluate
Dissolved Organic Carbon	1610	mg/l	U	< 0.030	< 0.30	< 0.50	1	--	To evaluate	To evaluate
				16	95	180	500	--	To evaluate	To evaluate

Leachate Test Information	
Leachant volume 1st extract/l	0.322
Leachant volume 2nd extract/l	1.400
Eluant recovered from 1st extract/l	0.109

Solid Information	
Dry mass of test portion/kg	0.175
Moisture (%)	14

Chemtest Job No: 15-29330		Chemtest Sample ID: 232036		Sample Ref: TP26		Top Depth(m): 2.50		Bottom Depth(m):		Sampling Date: 10-Dec-2015	
Determinand	SOP	Accred.	Units	Landfill Waste Acceptance Criteria Limits		Landfill Waste Acceptance Criteria Limits		Landfill Waste Acceptance Criteria Limits		Landfill Waste Acceptance Criteria Limits	
				Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill					
Total Organic Carbon	2625	U	%		1.7	6					
Loss On Ignition	2610	U	%		5.1	10					
Total BTEX	2760	U	mg/kg		0.018	--					
Total PCBs (7 Congeners)	2815	U	mg/kg		0.26	--					
TPH Total WAC (Mineral Oil)	2670	U	mg/kg		1000	--					
Total (Of 17) PAH's	2700	N	mg/kg		< 2.0	--					
pH	2010	U			8.4	>6					
Acid Neutralisation Capacity	2015	N	mol/kg		0.035	To evaluate					
Eluate Analysis											
			2:1 mg/l	8:1 mg/l	2:1 mg/kg	Cumulative mg/kg 10:1	Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg				
Arsenic	1450	U	0.028	0.0077	0.055	0.092	0.5	2	25		
Barium	1450	U	0.019	0.020	< 0.50	< 0.50	20	100	300		
Cadmium	1450	U	0.00046	0.00026	< 0.010	< 0.010	0.04	1	5		
Chromium	1450	U	0.0024	< 0.0010	< 0.050	< 0.050	0.5	10	70		
Copper	1450	U	0.012	< 0.010	< 0.050	< 0.050	2	50	100		
Mercury	1450	U	< 0.00050	< 0.00050	< 0.0010	< 0.0050	0.01	0.2	2		
Molybdenum	1450	U	0.17	0.040	0.33	0.50	0.5	10	30		
Nickel	1450	U	0.070	0.020	0.14	0.24	0.4	10	40		
Lead	1450	U	0.028	0.026	0.055	0.26	0.5	10	50		
Antimony	1450	U	0.018	0.011	0.035	0.12	0.06	0.7	5		
Selenium	1450	U	0.0035	0.0010	< 0.010	0.012	0.1	0.5	7		
Zinc	1450	U	0.031	0.025	< 0.50	< 0.50	4	50	200		
Chloride	1220	U	99	17	190	230	800	15000	25000		
Fluoride	1220	U	0.36	0.23	< 1.0	2.4	10	150	500		
Sulphate	1220	U	130	36	250	430	1000	20000	50000		
Total Dissolved Solids	1020	N	810	260	1600	3000	4000	60000	100000		
Phenol Index	1920	U	< 0.030	< 0.030	< 0.30	< 0.50	1	-	-		
Dissolved Organic Carbon	1610	U	75	23	150	270	500	800	1000		

Solid Information	
Dry mass of test portion/kg	0.175
Moisture (%)	17

Leachate Test Information	
Leachant volume 1st extract/l	0.313
Leachant volume 2nd extract/l	1.400
Eluant recovered from 1st extract/l	0.133

Chemtest Job No: 15-29330 Chemtest Sample ID: 232033 Sample Ref: TP27 Top Depth(m): 2.50 Bottom Depth(m): Sampling Date: 10-Dec-2015		SOP 2625 2610 2760 2815 2670 2700 2010 2015		Units % % mg/kg mg/kg mg/kg mg/kg mg/kg mol/kg		Accred. U U U U U N U N		Landfill Waste Acceptance Criteria Limits Inert Waste Landfill Stable, Non-reactive hazardous waste in non-hazardous Landfill Hazardous Waste Landfill			
Total Organic Carbon	1450	< 0.0010	2.1 mg/kg	U	< 0.050	8:1 mg/l	2:1 mg/kg	Cumulative mg/kg 10:1	0.5	2	25
Loss On Ignition	1450	0.030	0.030	U	< 0.50	0.010	< 0.50	< 0.50	20	100	300
Total BTEX	1450	< 0.0010	< 0.0010	U	< 0.010	< 0.0010	< 0.010	< 0.010	0.04	1	5
Total PCBs (7 Congeners)	1450	< 0.0010	< 0.0010	U	< 0.050	< 0.010	< 0.050	< 0.050	0.5	10	70
TPH Total WAC (Mineral Oil)	1450	0.0016	0.0016	U	< 0.050	0.0010	< 0.050	< 0.050	2	50	100
Total (Of 17) PAH's	1450	< 0.00050	< 0.00050	U	< 0.0010	< 0.00050	< 0.0010	< 0.00050	0.01	0.2	2
pH	1450	0.0056	0.0056	U	< 0.050	0.061	< 0.050	0.061	0.5	10	30
Acid Neutralisation Capacity	1450	0.0013	0.0013	U	< 0.050	< 0.010	< 0.050	< 0.050	0.4	10	40
Eluate Analysis											
Arsenic	1450	< 0.0010	< 0.0010	U	< 0.010	< 0.0010	< 0.010	< 0.010	0.5	10	50
Barium	1450	< 0.0010	< 0.0010	U	< 0.010	< 0.0010	< 0.010	< 0.010	0.06	0.7	5
Cadmium	1450	< 0.0010	< 0.0010	U	< 0.010	< 0.0010	< 0.010	< 0.010	0.1	0.5	7
Chromium	1450	0.0014	0.0014	U	< 0.50	< 0.0010	< 0.50	< 0.50	4	50	200
Copper	1450	2.5	2.5	U	< 10	< 1.0	< 10	< 10	800	15000	25000
Mercury	1450	0.24	0.24	U	< 1.0	0.17	< 1.0	1.8	10	150	500
Molybdenum	1450	9.7	9.7	U	< 1.0	< 1.0	19	16	1000	20000	50000
Nickel	1450	120	120	N	< 0.30	52	240	640	4000	60000	100000
Lead	1450	< 0.030	< 0.030	U	< 0.30	< 0.030	< 0.30	< 0.50	1	-	-
Antimony	1450	8.2	8.2	U	< 50	5.4	< 50	59	500	800	1000
Selenium	1450										
Zinc	1220										
Chloride	1220										
Fluoride	1220										
Sulphate	1020										
Total Dissolved Solids	1920										
Phenol Index	1610										
Dissolved Organic Carbon											

Solid Information	
Dry mass of test portion/kg	0.175
Moisture (%)	7.7

Leachate Test Information	
Leachant volume 1st extract/l	0.335
Leachant volume 2nd extract/l	1.400
Eluant recovered from 1st extract/l	0.296

Chemtest Job No: 15-29330
 Chemtest Sample ID: 232034
 Sample Ref: TP28
 Sample ID: 2.00
 Top Depth(m):
 Bottom Depth(m):
 Sampling Date: 10-Dec-2015

Determinand	SOP	Accred.	Units
Total Organic Carbon	2625	U	%
Loss On Ignition	2610	U	%
Total BTEX	2760	U	mg/kg
Total PCBs (7 Congeners)	2815	U	mg/kg
TPH Total WAC (Mineral Oil)	2670	U	mg/kg
Total (Of 17) PAH's	2700	N	mg/kg
pH	2010	U	
Acid Neutralisation Capacity	2015	N	mol/kg

Eluate Analysis

	2:1 mg/l	8:1 mg/l	2:1 mg/kg	Cumulative mg/kg 10:1	Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg
Arsenic	1450	0.0077	< 0.050	0.093	2
Barium	1450	0.022	< 0.50	< 0.50	100
Cadmium	1450	0.00015	< 0.010	< 0.010	1
Chromium	1450	< 0.0010	< 0.050	< 0.050	10
Copper	1450	0.0037	< 0.050	< 0.050	50
Mercury	1450	< 0.00050	< 0.0010	< 0.0050	0.01
Molybdenum	1450	0.016	0.099	0.21	10
Nickel	1450	0.0096	< 0.050	< 0.050	10
Lead	1450	0.0036	< 0.010	0.046	10
Antimony	1450	0.0038	< 0.010	0.036	0.7
Selenium	1450	0.0016	< 0.010	< 0.010	0.5
Zinc	1450	0.0088	< 0.50	< 0.50	4
Chloride	1220	13	25	30	800
Fluoride	1220	0.22	< 1.0	1.9	15000
Sulphate	1220	48	93	240	150
Total Dissolved Solids	1020	390	760	1900	20000
Phenol Index	1920	< 0.030	< 0.30	< 0.50	4000
Dissolved Organic Carbon	1610	28	54	180	1
					500
					800

Solid Information	
Dry mass of test portion/kg	0.175
Moisture (%)	22

Leachate Test Information	
Leachant volume 1st extract/l	0.300
Leachant volume 2nd extract/l	1.400
Eluant recovered from 1st extract/l	0.229

Chemtest Job No: 15-29330		Chemtest Sample ID: 232040		Sample Ref: TP16		Top Depth(m): 3.00		Bottom Depth(m):		Sampling Date: 09-Dec-2015			
Determinand	SOP	Accred.	Units	Landfill Waste Acceptance Criteria		Limits		Inert Waste Landfill		Stable, Non-reactive hazardous waste in non-hazardous Landfill		Hazardous Waste Landfill	
Total Organic Carbon	2625	U	%	1.3	3	5	6						
Loss On Ignition	2610	U	%	4.5	--	--	10						
Total BTEX	2760	U	mg/kg	< 0.010	6	--	--						
Total PCBs (7 Congeners)	2815	U	mg/kg	< 0.10	1	--	--						
TPH Total WAC (Mineral Oil)	2670	U	mg/kg	230	500	--	--						
Total (Of 17) PAH's	2700	N	mg/kg	3.1	100	--	--						
pH	2010	U		7.9	--	>6	--						
Acid Neutralisation Capacity	2015	N	mol/kg	0.032	--	To evaluate	To evaluate						
Eluate Analysis				8:1 mg/l		2:1 mg/kg		Cumulative mg/kg 10:1		Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg			
Arsenic	1450	U	0.026	0.0059	0.052	0.079	0.5	2	25				
Barium	1450	U	0.054	0.026	< 0.50	< 0.50	20	100	300				
Cadmium	1450	U	0.00042	0.00011	< 0.010	< 0.010	0.04	1	5				
Chromium	1450	U	0.0035	0.0010	< 0.050	< 0.050	0.5	10	70				
Copper	1450	U	0.0096	0.0035	< 0.050	< 0.050	2	50	100				
Mercury	1450	U	< 0.00050	< 0.00050	< 0.0010	< 0.0050	0.01	0.2	2				
Molybdenum	1450	U	0.22	0.038	0.44	0.56	0.5	10	30				
Nickel	1450	U	0.035	0.0076	0.069	0.10	0.4	10	40				
Lead	1450	U	0.021	0.0083	0.042	0.095	0.5	10	50				
Antimony	1450	U	0.020	0.0080	0.040	0.092	0.06	0.7	5				
Selenium	1450	U	0.0068	0.0010	0.014	0.016	0.1	0.5	7				
Zinc	1450	U	0.015	0.0041	< 0.50	< 0.50	4	50	200				
Chloride	1220	U	75	9.4	150	160	800	15000	25000				
Fluoride	1220	U	0.35	0.23	< 1.0	2.4	10	150	500				
Sulphate	1220	U	71	25	140	300	1000	20000	50000				
Total Dissolved Solids	1020	N	610	210	1200	2500	4000	60000	100000				
Phenol Index	1920	U	< 0.030	< 0.030	< 0.30	< 0.50	1	-	-				
Dissolved Organic Carbon	1610	U	48	21	95	240	500	800	1000				

Solid Information	
Dry mass of test portion/kg	0.175
Moisture (%)	12

Leachate Test Information	
Leachant volume 1st extract/l	0.327
Leachant volume 2nd extract/l	1.400
Eluant recovered from 1st extract/l	0.172

Chemtest Job No: 15-29330		SOP		Units		Accred.		Limits		Landfill Waste Acceptance Criteria	
Chemtest Sample ID: 232038		2625		%		U		Stable, Non-reactive hazardous waste in non-hazardous Landfill		Inert Waste Landfill	
Sample Ref: TP17		2610		%		U		To evaluate		To evaluate	
Sample ID: 2.50		2760		mg/kg		U		To evaluate		To evaluate	
Top Depth(m):		2815		mg/kg		U		To evaluate		To evaluate	
Bottom Depth(m):		2670		mg/kg		U		To evaluate		To evaluate	
Sampling Date: 09-Dec-2015		2700		mg/kg		N		To evaluate		To evaluate	
Determinand		2010		mol/kg		U		To evaluate		To evaluate	
Total Organic Carbon		2015		mol/kg		N		To evaluate		To evaluate	
Loss On Ignition											
Total BTEX											
Total PCBs (7 Congeners)											
TPH Total WAC (Mineral Oil)											
Total (OF 17) PAH's											
pH											
Acid Neutralisation Capacity											
Eluate Analysis											
Arsenic		1450		2:1 mg/l		U		8:1 mg/l		Cumulative mg/kg 10:1	
Barium		1450		0.13		U		0.0023		< 0.050	
Cadmium		1450		< 0.00010		U		0.067		0.73	
Chromium		1450		< 0.0010		U		0.00010		< 0.010	
Copper		1450		0.0021		U		< 0.0010		< 0.050	
Mercury		1450		< 0.00050		U		0.0014		< 0.050	
Molybdenum		1450		0.037		U		< 0.0050		< 0.0050	
Nickel		1450		0.012		U		0.028		0.29	
Lead		1450		0.0027		U		0.0049		0.056	
Antimony		1450		0.0019		U		0.0023		0.023	
Selenium		1450		0.0016		U		0.0079		0.072	
Zinc		1450		0.013		U		< 0.0010		< 0.010	
Chloride		1220		20		U		0.0056		< 0.50	
Fluoride		1220		0.35		U		2.2		40	
Sulphate		1220		290		U		0.19		2.0	
Total Dissolved Solids		1020		570		N		74		950	
Phenol Index		1920		< 0.030		U		250		2800	
Dissolved Organic Carbon		1610		27		U		< 0.030		< 0.50	

Soild Information	
Dry mass of test portion/kg	0.175
Moisture (%)	25

Leachate Test Information	
Leachant volume 1st extract/l	0.293
Leachant volume 2nd extract/l	1.400
Eluant recovered from 1st extract/l	0.178

Chemtest Job No: 15-29330		SOP		Units								
Chemtest Sample ID: 232039		Accred.		%								
Sample Ref: TP18		U		%								
Sample ID: 1.50		U		mg/kg								
Top Depth(m):		U		mg/kg								
Bottom Depth(m):		U		mg/kg								
Sampling Date: 09-Dec-2015		N		mg/kg								
Determiand		U		mmol/kg								
Total Organic Carbon		N		mg/l								
Loss On Ignition		U		mg/kg								
Total BTEX		U		mg/kg								
Total PCBs (7 Congeners)		U		mg/kg								
TPH Total WAC (Mineral Oil)		U		mg/kg								
Total (Of 17) PAH's		U		mg/kg								
pH		U		mg/l								
Acid Neutralisation Capacity		U		mg/l								
Eluate Analysis		U		mg/l								
Arsenic	1450	U	0.058	0.012	0.11	2:1	mg/kg	0.028	0.01	0.5	2	25
Barium	1450	U	0.063	0.034	< 0.50			< 0.50	20	100	100	300
Cadmium	1450	U	0.0030	0.00087	< 0.010			0.019	0.04	1	1	5
Chromium	1450	U	0.016	0.0056	< 0.050			0.10	0.5	10	10	70
Copper	1450	U	0.10	0.042	0.19			0.48	2	50	50	100
Mercury	1450	U	0.0050	0.00077	0.0093			0.028	0.01	0.2	0.2	2
Molybdenum	1450	U	0.90	0.18	1.7			5.2	0.5	10	10	30
Nickel	1450	U	0.22	0.053	0.41			1.3	0.4	10	10	40
Lead	1450	U	0.26	0.12	0.49			1.8	0.5	10	10	50
Antimony	1450	U	0.14	0.043	0.26			0.88	0.06	0.7	0.7	5
Selenium	1450	U	0.022	0.0046	0.041			0.13	0.1	0.5	0.5	7
Zinc	1450	U	0.27	0.11	0.50			1.8	4	50	50	200
Chloride	1220	U	500	130	930			3000	800	15000	15000	25000
Fluoride	1220	U	1.3	0.41	2.4			8.3	10	150	150	500
Sulphate	1220	U	1.9	4.2	< 10			31	1000	20000	20000	50000
Total Dissolved Solids	1020	N	2400	700	4500			15000	4000	60000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.030	< 0.30			< 0.50	1	-	-	-
Dissolved Organic Carbon	1610	U	55	38	100			460	500	800	800	1000

Leachate Test Information	
Leachant volume 1st extract/l	0.272
Leachant volume 2nd extract/l	1.400
Eluant recovered from 1st extract/l	0.828

Solid Information	
Dry mass of test portion/kg	0.175
Moisture (%)	31

Chemtest Job No: 15-29330		Chemtest Sample ID: 232037		Sample Ref: TP19		Top Depth(m): 2.00		Bottom Depth(m):		Sampling Date: 09-Dec-2015	
Determinand	SOP	Accred.	Units	8:1 mg/l	2:1 mg/kg	Cumulative mg/kg 10:1	Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill		
Total Organic Carbon	2625	U	%	0.0025	< 0.050	< 0.050	3	5	6		
Loss On Ignition	2610	U	%	0.051	< 0.50	0.55	---	---	10		
Total BTEX	2760	U	mg/kg	0.00010	< 0.010	< 0.010	6	---	---		
Total PCBs (7 Congeners)	2815	U	mg/kg	< 0.0010	< 0.050	< 0.050	1	---	---		
TPH Total WAC (Mineral Oil)	2670	U	mg/kg	< 0.0010	< 0.050	< 0.050	500	---	---		
Total (Of 17) PAH's	2700	N	mg/kg	< 0.0010	< 0.050	< 0.050	100	---	---		
pH	2010	U				8.2	---	>6	---		
Acid Neutralisation Capacity	2015	N	mol/kg			0.026	---	To evaluate	To evaluate		
Eluate Analysis				2:1 mg/l	mg/kg	mg/kg 10:1	Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg				
Arsenic	1450	U	0.086	< 0.0050	< 0.050	< 0.050	0.5	2	25		
Barium	1450	U	0.00015	< 0.0010	< 0.010	< 0.010	20	100	300		
Cadmium	1450	U	< 0.0010	< 0.0010	< 0.050	< 0.050	0.04	1	5		
Chromium	1450	U	0.0023	< 0.0010	< 0.050	< 0.050	0.5	10	70		
Copper	1450	U	< 0.00050	< 0.00050	< 0.0010	< 0.0050	2	50	100		
Mercury	1450	U	0.080	0.028	0.16	0.34	0.01	0.2	2		
Molybdenum	1450	U	0.016	0.033	< 0.050	0.31	0.5	10	30		
Nickel	1450	U	0.015	0.0099	0.029	0.11	0.4	10	40		
Lead	1450	U	0.0086	0.010	0.017	0.098	0.5	10	50		
Antimony	1450	U	0.0021	< 0.0010	< 0.010	< 0.010	0.06	0.7	5		
Selenium	1450	U	0.014	0.0077	< 0.50	< 0.50	0.1	0.5	7		
Zinc	1450	U	36	3.7	70	78	4	50	200		
Chloride	1220	U	0.27	0.20	< 1.0	2.1	800	15000	25000		
Fluoride	1220	U	170	67	330	800	10	150	500		
Sulphate	1020	N	570	230	1100	2700	1000	20000	50000		
Total Dissolved Solids	1920	U	< 0.030	< 0.030	< 0.30	< 0.50	4000	60000	100000		
Phenol Index	1610	U	30	12	59	140	1	-	-		
Dissolved Organic Carbon							500	800	1000		

Solid Information	
Dry mass of test portion/kg	0.175
Moisture (%)	19

Leachate Test Information	
Leachant volume 1st extract/l	0.309
Leachant volume 2nd extract/l	1.400
Eluant recovered from 1st extract/l	0.220

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