

SAL Reference: 558017									
Customer Reference: G15009									
Leachate		Analysed as Water							
Heavy Metals(9)									
SAL Reference		558017 002	558017 005	558017 006	558017 016	558017 021			
Customer Sample Reference		TP1103 1.3m	TP1105 2.9m	TP1005 0.8m	TP1012 2.0m	TP1014 1.7m			
Date Sampled		Deviating	Deviating	Deviating	Deviating	Deviating			
Determinand	Method	Test Sample	LOD	Units					
As (Dissolved)	T281	10:1	0.2	µg/l	<0.2	<0.2	0.2	<0.2	<0.2
Cd (Dissolved)	T281	10:1	0.02	µg/l	<0.02	0.09	<0.02	0.02	0.03
Cr (Dissolved)	T281	10:1	1	µg/l	<1	<1	<1	<1	<1
Cu (Dissolved)	T281	10:1	0.5	µg/l	<0.5	0.6	0.9	1.9	<0.5
Pb (Dissolved)	T281	10:1	0.3	µg/l	0.7	0.8	0.8	3.8	0.8
Hg (Dissolved)	T281	10:1	0.05	µg/l	<0.05	<0.05	<0.05	<0.05	<0.05
Ni (Dissolved)	T281	10:1	1	µg/l	<1	11	<1	<1	<1
Se (Dissolved)	T281	10:1	0.5	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5
Zn (Dissolved)	T281	10:1	2	µg/l	9	32	<2	33	4

SAL Reference: 558017									
Customer Reference: G15009									
Leachate				Analysed as Water					
Heavy Metals(9)									
SAL Reference				558017 024	558017 027	558017 029	558017 032	558017 035	
Customer Sample Reference				TP1017 1.0m	TP1020 1.2m	TP1021 1.4m	TP1024 0.4m	TP1026 0.7m	
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating	
Determinand	Method	Test Sample	LOD	Units					
As (Dissolved)	T281	10:1	0.2	µg/l	0.7	1.0	0.7	0.8	3.6
Cd (Dissolved)	T281	10:1	0.02	µg/l	0.11	0.06	<0.02	0.27	<0.02
Cr (Dissolved)	T281	10:1	1	µg/l	<1	<1	<1	<1	<1
Cu (Dissolved)	T281	10:1	0.5	µg/l	5.6	4.4	<0.5	2.8	1.2
Pb (Dissolved)	T281	10:1	0.3	µg/l	1.4	2.7	0.8	2.6	1.7
Hg (Dissolved)	T281	10:1	0.05	µg/l	<0.05	0.07	<0.05	<0.05	<0.05
Ni (Dissolved)	T281	10:1	1	µg/l	1	2	<1	2	<1
Se (Dissolved)	T281	10:1	0.5	µg/l	<0.5	0.7	<0.5	<0.5	<0.5
Zn (Dissolved)	T281	10:1	2	µg/l	13	11	13	26	7

SAL Reference: 558017 Customer Reference: G15009 Leachate Analysed as Water Heavy Metals(9)					
SAL Reference		558017 038			
Customer Sample Reference		TP1031 1.6m			
Date Sampled		Deviating			
Determinand	Method	Test Sample	LOD	Units	
As (Dissolved)	T281	10:1	0.2	µg/l	0.4
Cd (Dissolved)	T281	10:1	0.02	µg/l	<0.02
Cr (Dissolved)	T281	10:1	1	µg/l	<1
Cu (Dissolved)	T281	10:1	0.5	µg/l	0.6
Pb (Dissolved)	T281	10:1	0.3	µg/l	0.9
Hg (Dissolved)	T281	10:1	0.05	µg/l	<0.05
Ni (Dissolved)	T281	10:1	1	µg/l	<1
Se (Dissolved)	T281	10:1	0.5	µg/l	0.6
Zn (Dissolved)	T281	10:1	2	µg/l	6

SAL Reference: 558017 Customer Reference: G15009 Soil Analysed as Soil Metals Suite								
SAL Reference				558017 035	558017 038	558017 039	558017 040	
Customer Sample Reference				TP1026 0.7m	TP1031 1.6m	TP1032 0.5m	TP1033 0.5m	
Date Sampled				Deviating	Deviating	Deviating	Deviating	
Determinand	Method	Test Sample	LOD	Units				
Arsenic	T82	A40	2	mg/kg	<2	23	28	<2
Cadmium	T82	A40	1	mg/kg	<1	<1	<1	<1
Chromium	T82	A40	1	mg/kg	<1	22	12	2
Copper	T82	A40	1	mg/kg	1	36	42	3
Lead	T82	A40	3	mg/kg	14	31	79	8
Mercury	T82	A40	1	mg/kg	<1	<1	<1	<1
Nickel	T82	A40	1	mg/kg	<1	38	31	2
Selenium	T82	A40	3	mg/kg	<3	<3	<3	<3
Zinc	T82	A40	1	mg/kg	5	76	88	10

SAL Reference: 558017									
Customer Reference: G15009									
Leachate					Analysed as Water				
PAH US EPA 16 (B and K split)									
SAL Reference				558017 002	558017 005	558017 006	558017 008	558017 013	
Customer Sample Reference				TP1103 1.3m	TP1105 2.9m	TP1005 0.8m	TP1006 2.8m	TP1009 1.9m	
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating	
Determinand	Method	Test Sample	LOD	Units					
Naphthalene	T149	10:1	0.01	µg/l	(13) 0.04	(13) 0.07	(13) 0.09	(13) 0.14	(13) 0.08
Acenaphthylene	T149	10:1	0.01	µg/l	0.01	0.01	<0.01	0.33	0.07
Acenaphthene	T149	10:1	0.01	µg/l	(13) 0.02	(13) 0.05	(13) <0.01	(13) 0.13	0.02
Fluorene	T149	10:1	0.01	µg/l	(13) 0.01	(13) 0.03	(13) <0.01	(13) 0.79	(13) 0.05
Phenanthrene	T149	10:1	0.01	µg/l	(13) <0.01	(13) 0.02	(13) 0.01	(13) 0.18	0.03
Anthracene	T149	10:1	0.01	µg/l	0.01	0.01	0.01	0.95	<0.01
Fluoranthene	T149	10:1	0.01	µg/l	(13) <0.01	(13) <0.01	(13) <0.01	(13) 0.20	<0.01
Pyrene	T149	10:1	0.01	µg/l	(13) <0.01	(13) <0.01	(13) <0.01	(13) 0.16	<0.01
Benzo(a)Anthracene	T149	10:1	0.01	µg/l	(13) <0.01	(13) <0.01	(13) <0.01	(13) 0.03	(13) <0.01
Chrysene	T149	10:1	0.01	µg/l	(13) <0.01	(13) <0.01	(13) <0.01	(13) 0.03	(13) <0.01
Benzo(b)fluoranthene	T149	10:1	0.01	µg/l	(13) <0.01	(13) <0.01	(13) <0.01	(13) 0.02	<0.01
Benzo(k)fluoranthene	T149	10:1	0.01	µg/l	(13) <0.01	(13) <0.01	(13) <0.01	(13) 0.01	<0.01
Benzo(a)Pyrene	T149	10:1	0.01	µg/l	<0.01	0.01	<0.01	0.02	<0.01
Indeno(123-cd)Pyrene	T149	10:1	0.01	µg/l	<0.01	0.01	0.01	0.02	0.01
Dibenzo(ah)Anthracene	T149	10:1	0.01	µg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(ghi)Perylene	T149	10:1	0.01	µg/l	<0.01	<0.01	<0.01	0.01	0.01
PAH(total)	T149	10:1	0.01	µg/l	0.09	0.21	0.12	3.0	0.27

SAL Reference: 558017									
Customer Reference: G15009									
Leachate					Analysed as Water				
PAH US EPA 16 (B and K split)									
SAL Reference				558017 014	558017 015	558017 016	558017 021	558017 024	
Customer Sample Reference				TP1010 1.0m	TP1011 1.9m	TP1012 2.0m	TP1014 1.7m	TP1017 1.0m	
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating	
Determinand	Method	Test Sample	LOD	Units					
Naphthalene	T149	10:1	0.01	µg/l	(13) 0.09	(13) 0.01	0.07	(13) 0.05	(9) <1.0
Acenaphthylene	T149	10:1	0.01	µg/l	0.02	0.01	0.02	0.01	(13) 3.7
Acenaphthene	T149	10:1	0.01	µg/l	(13) 0.01	(13) 0.04	(13) 0.02	(13) 0.02	(13) 93
Fluorene	T149	10:1	0.01	µg/l	(13) 0.02	0.01	(13) 0.03	0.01	6.5
Phenanthrene	T149	10:1	0.01	µg/l	(13) 0.02	(13) 0.01	(13) <0.01	(13) 0.01	(9) <1.0
Anthracene	T149	10:1	0.01	µg/l	<0.01	0.01	0.04	0.01	(13,9) <1.0
Fluoranthene	T149	10:1	0.01	µg/l	0.01	<0.01	0.01	<0.01	(9) <1.0
Pyrene	T149	10:1	0.01	µg/l	(13) 0.01	(13) <0.01	(13) <0.01	(13) <0.01	(13,9) <1.0
Benzo(a)Anthracene	T149	10:1	0.01	µg/l	<0.01	<0.01	(13) <0.01	<0.01	(13,9) <1.0
Chrysene	T149	10:1	0.01	µg/l	<0.01	(13) <0.01	(13) <0.01	(13) <0.01	(9) <1.0
Benzo(b)fluoranthene	T149	10:1	0.01	µg/l	(13) <0.01	(13) <0.01	(13) <0.01	(13) <0.01	(9) <1.0
Benzo(k)fluoranthene	T149	10:1	0.01	µg/l	0.01	(13) <0.01	0.01	(13) <0.01	(9) <1.0
Benzo(a)Pyrene	T149	10:1	0.01	µg/l	0.01	0.01	0.01	<0.01	(13,9) <1.0
Indeno(123-cd)Pyrene	T149	10:1	0.01	µg/l	0.01	0.01	0.01	<0.01	(9) <1.0
Dibenzo(ah)Anthracene	T149	10:1	0.01	µg/l	<0.01	0.01	0.01	<0.01	(9) <1.0
Benzo(ghi)Perylene	T149	10:1	0.01	µg/l	0.01	0.01	0.01	<0.01	(13,9) <1.0
PAH(total)	T149	10:1	0.01	µg/l	0.22	0.13	0.24	0.11	(13) 100

SAL Reference: 558017										
Customer Reference: G15009										
Leachate				Analysed as Water						
PAH US EPA 16 (B and K split)										
SAL Reference				558017 027	558017 029	558017 032	558017 035	558017 038		
Customer Sample Reference				TP1020 1.2m	TP1021 1.4m	TP1024 0.4m	TP1026 0.7m	TP1031 1.6m		
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating		
Determinand	Method	Test Sample	LOD	Units						
Naphthalene	T149	10:1	0.01	µg/l	(13) 0.08	7.9	(13) 0.10	(13) 0.04	(13) 0.05	
Acenaphthylene	T149	10:1	0.01	µg/l	0.03	(13) 9.6	0.02	0.02	0.01	
Acenaphthene	T149	10:1	0.01	µg/l	(13) 0.17	(13) 140	(13) 0.14	(13) 0.05	(13) 0.10	
Fluorene	T149	10:1	0.01	µg/l	0.09	43	0.03	0.03	0.01	
Phenanthrene	T149	10:1	0.01	µg/l	(13) 0.03	11	(13) 0.01	(13) 0.01	(13) 0.01	
Anthracene	T149	10:1	0.01	µg/l	0.06	(13) 6.3	0.03	0.02	0.01	
Fluoranthene	T149	10:1	0.01	µg/l	0.01	(9) <1.0	<0.01	<0.01	<0.01	
Pyrene	T149	10:1	0.01	µg/l	(13) 0.01	(9,13) <1.0	(13) <0.01	(13) <0.01	(13) <0.01	
Benzo(a)Anthracene	T149	10:1	0.01	µg/l	<0.01	(13,9) <1.0	<0.01	<0.01	<0.01	
Chrysene	T149	10:1	0.01	µg/l	(13) <0.01	(9) <1.0	(13) <0.01	(13) <0.01	(13) <0.01	
Benzo(b)fluoranthene	T149	10:1	0.01	µg/l	(13) 0.01	(9) <1.0	(13) <0.01	(13) <0.01	(13) <0.01	
Benzo(k)fluoranthene	T149	10:1	0.01	µg/l	(13) <0.01	(9) <1.0	(13) <0.01	(13) <0.01	(13) <0.01	
Benzo(a)Pyrene	T149	10:1	0.01	µg/l	0.01	(13,9) <1.0	<0.01	<0.01	0.01	
Indeno(123-cd)Pyrene	T149	10:1	0.01	µg/l	0.01	(9) <1.0	<0.01	<0.01	0.01	
Dibenzo(ah)Anthracene	T149	10:1	0.01	µg/l	<0.01	(9) <1.0	<0.01	<0.01	<0.01	
Benzo(ghi)Perylene	T149	10:1	0.01	µg/l	0.01	(9,13) <1.0	<0.01	<0.01	<0.01	
PAH(total)	T149	10:1	0.01	µg/l	0.52	(13) 210	0.33	0.17	0.21	

SAL Reference: 558017									
Customer Reference: G15009									
Soil		Analysed as Soil							
Phenols (Speciated)									
SAL Reference				558017 001	558017 002	558017 003	558017 004	558017 005	
Customer Sample Reference				TP1104 1.0m	TP1103 1.3m	TP1102 0.75m	TP1105 1.3m	TP1105 2.9m	
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating	
Determinand	Method	Test Sample	LOD	Units					
Naphthols	T17	AR	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Xylenols	T17	AR	0.05	mg/kg	0.39	<0.05	<0.05	<0.05	<0.05
Resorcinol	T17	AR	0.05	mg/kg	(62) <0.10	(62) <0.10	(62) <0.10	(62) <0.10	(62) <0.10
Trimethyl phenol	T17	AR	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Cresols	T17	AR	0.05	mg/kg	0.54	<0.05	<0.05	<0.05	<0.05
Catechol	T17	AR	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Phenol	T17	AR	0.1	mg/kg	0.4	<0.1	<0.1	<0.1	<0.1
Total Phenols	T17	AR	0.1	mg/kg	1.3	<0.1	<0.1	<0.1	<0.1

SAL Reference: 558017									
Customer Reference: G15009									
Soil		Analysed as Soil							
Phenols (Speciated)									
SAL Reference				558017 007	558017 008	558017 009	558017 010	558017 011	
Customer Sample Reference				TP1006 1.1m	TP1006 2.8m	TP1101 1.0m	TP1101 2.5m	TP1008 1.0m	
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating	
Determinand	Method	Test Sample	LOD	Units					
Naphthols	T17	AR	0.05	mg/kg	<0.05	(104) <0.50	<0.05	<0.05	<0.05
Xylenols	T17	AR	0.05	mg/kg	0.60	(104) <0.50	0.32	<0.05	<0.05
Resorcinol	T17	AR	0.05	mg/kg	(62) <0.10	(104) <0.50	(62) <0.10	(62) <0.10	(62) <0.10
Trimethyl phenol	T17	AR	0.05	mg/kg	<0.05	(104) <0.50	<0.05	<0.05	<0.05
Cresols	T17	AR	0.05	mg/kg	0.17	(104) <0.50	0.21	<0.05	<0.05
Catechol	T17	AR	0.05	mg/kg	<0.05	(104) <0.50	<0.05	<0.05	<0.05
Phenol	T17	AR	0.1	mg/kg	0.1	(104) <0.5	0.2	<0.1	<0.1
Total Phenols	T17	AR	0.1	mg/kg	0.9	(104) <0.5	0.7	<0.1	<0.1

SAL Reference: 558017									
Customer Reference: G15009									
Soil		Analysed as Soil							
Phenols (Speciated)									
SAL Reference				558017 012	558017 013	558017 014	558017 015	558017 016	
Customer Sample Reference				TP1009 0.7m	TP1009 1.9m	TP1010 1.0m	TP1011 1.9m	TP1012 2.0m	
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating	
Determinand	Method	Test Sample	LOD	Units					
Naphthols	T17	AR	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Xylenols	T17	AR	0.05	mg/kg	<0.05	<0.05	1.4	<0.05	<0.05
Resorcinol	T17	AR	0.05	mg/kg	(62) <0.10	(62) <0.10	(62) <0.10	(62) <0.10	(62) <0.10
Trimethyl phenol	T17	AR	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Cresols	T17	AR	0.05	mg/kg	<0.05	<0.05	0.65	<0.05	<0.05
Catechol	T17	AR	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Phenol	T17	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Phenols	T17	AR	0.1	mg/kg	<0.1	<0.1	2.1	<0.1	<0.1

SAL Reference: 558017 Customer Reference: G15009									
Soil Phenols (Speciated)					Analysed as Soil				
SAL Reference					558017 020	558017 021	558017 023	558017 024	558017 025
Customer Sample Reference					TP1014 0.8m	TP1014 1.7m	TP1017 0.8m	TP1017 1.0m	TP1018 0.45m
Date Sampled					Deviating	Deviating	Deviating	Deviating	Deviating
Determinand	Method	Test Sample	LOD	Units					
Naphthols	T17	AR	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Xylenols	T17	AR	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Resorcinol	T17	AR	0.05	mg/kg	(62) <0.10	(62) <0.10	(62) <0.10	(62) <0.10	(62) <0.10
Trimethyl phenol	T17	AR	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Cresols	T17	AR	0.05	mg/kg	0.09	<0.05	<0.05	0.18	<0.05
Catechol	T17	AR	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Phenol	T17	AR	0.1	mg/kg	0.1	<0.1	<0.1	0.4	<0.1
Total Phenols	T17	AR	0.1	mg/kg	0.2	<0.1	<0.1	0.6	<0.1

SAL Reference: 558017 Customer Reference: G15009									
Soil Phenols (Speciated)					Analysed as Soil				
SAL Reference					558017 026	558017 027	558017 028	558017 029	558017 032
Customer Sample Reference					TP1020 0.6m	TP1020 1.2m	TP1021 0.6m	TP1021 1.4m	TP1024 0.4m
Date Sampled					Deviating	Deviating	Deviating	Deviating	Deviating
Determinand	Method	Test Sample	LOD	Units					
Naphthols	T17	AR	0.05	mg/kg	<0.05	<0.05	(104) <5.0	(104) <0.50	<0.05
Xylenols	T17	AR	0.05	mg/kg	<0.05	<0.05	93	11	<0.05
Resorcinol	T17	AR	0.05	mg/kg	(62) <0.10	(62) <0.10	(104) <5.0	(104) <0.50	(62) <0.10
Trimethyl phenol	T17	AR	0.05	mg/kg	<0.05	<0.05	(104) <5.0	(104) <0.50	<0.05
Cresols	T17	AR	0.05	mg/kg	<0.05	<0.05	9.9	0.36	<0.05
Catechol	T17	AR	0.05	mg/kg	<0.05	<0.05	(104) <5.0	(104) <0.50	<0.05
Phenol	T17	AR	0.1	mg/kg	<0.1	<0.1	4.3	2.0	<0.1
Total Phenols	T17	AR	0.1	mg/kg	<0.1	<0.1	110	13	<0.1

SAL Reference: 558017 Customer Reference: G15009									
Soil Phenols (Speciated)					Analysed as Soil				
SAL Reference					558017 033	558017 034	558017 035	558017 038	558017 039
Customer Sample Reference					TP1025 0.4m	TP1025 2.0m	TP1026 0.7m	TP1031 1.6m	TP1032 0.5m
Date Sampled					Deviating	Deviating	Deviating	Deviating	Deviating
Determinand	Method	Test Sample	LOD	Units					
Naphthols	T17	AR	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Xylenols	T17	AR	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Resorcinol	T17	AR	0.05	mg/kg	(62) <0.10	(62) <0.10	(62) <0.10	(62) <0.10	(62) <0.10
Trimethyl phenol	T17	AR	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Cresols	T17	AR	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Catechol	T17	AR	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Phenol	T17	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Phenols	T17	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1

SAL Reference: 558017					
Customer Reference: G15009					
Soil		Analysed as Soil			
Phenols (Speciated)					
SAL Reference				558017 040	
Customer Sample Reference				TP1033 0.5m	
Date Sampled				Deviating	
Determinand	Method	Test Sample	LOD	Units	
Naphthols	T17	AR	0.05	mg/kg	<0.05
Xylenols	T17	AR	0.05	mg/kg	<0.05
Resorcinol	T17	AR	0.05	mg/kg	(62) <0.10
Trimethyl phenol	T17	AR	0.05	mg/kg	<0.05
Cresols	T17	AR	0.05	mg/kg	<0.05
Catechol	T17	AR	0.05	mg/kg	<0.05
Phenol	T17	AR	0.1	mg/kg	<0.1
Total Phenols	T17	AR	0.1	mg/kg	<0.1



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SAL Reference: 557999							
Project Site: Monckton							
Customer Reference: G15009							
Water							
Analysed as Water							
Miscellaneous							
SAL Reference				557999 001	557999 002	557999 003	
Customer Sample Reference				BH303	BH304	SP1	
Date Sampled				17-MAR-2016	17-MAR-2016	17-MAR-2016	
Determinand	Method	Test Sample	LOD	Units			
Alkalinity expressed as CaCO3	T22	AR	10	mg/l	-	-	(64) 30
Ammoniacal nitrogen	T686	F	0.05	mg/l	20	<0.05	13
Chloride	T686	F	1	mg/l	490	79	190
NO3 expressed as N	T686	F	0.5	mg/l	<0.5	16	-
B (Dissolved)	T373	AR	0.01	mg/l	-	-	0.17
Ca (Dissolved)	T373	AR	1	mg/l	-	-	200
Dissolved Mg	T285	AR	0.1	mg/l	-	-	48
Dissolved K	T285	AR	0.1	mg/l	31	16	15
Dissolved Na	T285	AR	0.05	mg/l	470	96	210
Sulphur (total)	T6	AR	50	mg/l	-	-	570
pH	T7	AR			-	-	7.6

SAL Reference: 557999 Project Site: Monckton Customer Reference: G15009 Water Analysed as Water BTEX					
SAL Reference				557999 003	
Customer Sample Reference				SP1	
Date Sampled				17-MAR-2016	
Determinand	Method	Test Sample	LOD	Units	
Benzene	T54	AR	1	µg/l	(9) <1
EthylBenzene	T54	AR	1	µg/l	<1
M/P Xylene	T54	AR	1	µg/l	<1
O Xylene	T54	AR	1	µg/l	<1
Toluene	T54	AR	1	µg/l	<1

SAL Reference: 557999 Project Site: Monckton Customer Reference: G15009					
Water Analysed as Water Heavy Metals(9)					
SAL Reference				557999 003	
Customer Sample Reference				SP1	
Date Sampled				17-MAR-2016	
Determinand	Method	Test Sample	LOD	Units	
As (Dissolved)	T281	AR	0.2	µg/l	1.0
Cd (Dissolved)	T281	AR	0.02	µg/l	0.58
Cr (Dissolved)	T281	AR	1	µg/l	6
Cu (Dissolved)	T281	AR	0.5	µg/l	8.1
Pb (Dissolved)	T281	AR	0.3	µg/l	7.1
Hg (Dissolved)	T281	AR	0.05	µg/l	<0.05
Ni (Dissolved)	T281	AR	1	µg/l	28
Se (Dissolved)	T281	AR	0.5	µg/l	12
Zn (Dissolved)	T281	AR	2	µg/l	30

SAL Reference: 557999 Project Site: Monckton Customer Reference: G15009					
Water PAH US EPA 16 (B and K split)					
SAL Reference				557999 003	
Customer Sample Reference				SP1	
Date Sampled				17-MAR-2016	
Determinand	Method	Test Sample	LOD	Units	
Naphthalene	T149	AR	0.01	µg/l	(13) 0.01
Acenaphthylene	T149	AR	0.01	µg/l	0.03
Acenaphthene	T149	AR	0.01	µg/l	0.01
Fluorene	T149	AR	0.01	µg/l	0.03
Phenanthrene	T149	AR	0.01	µg/l	(13) 0.01
Anthracene	T149	AR	0.01	µg/l	0.15
Fluoranthene	T149	AR	0.01	µg/l	(13) 0.01
Pyrene	T149	AR	0.01	µg/l	(13) <0.01
Benzo(a)Anthracene	T149	AR	0.01	µg/l	(13) <0.01
Chrysene	T149	AR	0.01	µg/l	0.01
Benzo(b)fluoranthene	T149	AR	0.01	µg/l	0.01
Benzo(k)fluoranthene	T149	AR	0.01	µg/l	0.01
Benzo(a)Pyrene	T149	AR	0.01	µg/l	0.01
Indeno(123-cd)Pyrene	T149	AR	0.01	µg/l	0.01
Dibenzo(ah)Anthracene	T149	AR	0.01	µg/l	0.01
Benzo(ghi)Perylene	T149	AR	0.01	µg/l	0.01
PAH(total)	T149	AR	0.01	µg/l	0.32

SAL Reference: 557999							
Project Site: Monckton							
Customer Reference: G15009							
Water				Analysed as Water			
Phenols (Speciated)							
SAL Reference				557999 001	557999 002	557999 003	
Customer Sample Reference				BH303	BH304	SP1	
Date Sampled				17-MAR-2016	17-MAR-2016	17-MAR-2016	
Determinand	Method	Test Sample	LOD	Units			
Naphthols	T17	AR	0.01	mg/l	<0.01	<0.01	<0.01
Catechol	T17	AR	0.005	mg/l	<0.005	<0.005	<0.005
Cresols	T17	AR	0.005	mg/l	<0.005	<0.005	<0.005
Trimethyl phenols	T17	AR	0.01	mg/l	<0.01	<0.01	<0.01
Total Phenols	T17	AR	0.01	mg/l	<0.01	<0.01	<0.01
Xylenols	T17	AR	0.01	mg/l	<0.01	<0.01	<0.01
Phenol	T17	AR	0.005	mg/l	<0.005	<0.005	<0.005
Resorcinol	T17	AR	0.005	mg/l	<0.005	<0.005	<0.005

SAL Reference: 557999						
Project Site: Monckton						
Customer Reference: G15009						
Water		Analysed as Water				
Semi-Volatile Organic Compounds (USEPA 625)(EK)						
SAL Reference			557999 002		557999 004	
Customer Sample Reference			BH304		SVOC Blank	
Date Sampled			17-MAR-2016		25-MAR-2016	
Determinand	Method	Test Sample	LOD	Units		
1,2,4-Trichlorobenzene	T16	AR	10	µg/l	<10	<10
1,2-Dichlorobenzene	T16	AR	10	µg/l	<10	<10
1,3-Dichlorobenzene	T16	AR	10	µg/l	<10	<10
1,4-Dichlorobenzene	T16	AR	10	µg/l	<10	<10
2,4,5-Trichlorophenol	T16	AR	10	µg/l	<10	<10
2,4,6-Trichlorophenol	T16	AR	10	µg/l	<10	<10
2,4-Dichlorophenol	T16	AR	10	µg/l	<10	<10
2,4-Dimethylphenol	T16	AR	10	µg/l	<10	<10
2,4-Dinitrophenol	T16	AR	10	µg/l	<10	<10
2,4-Dinitrotoluene	T16	AR	10	µg/l	<10	<10
2,6-Dinitrotoluene	T16	AR	10	µg/l	<10	<10
2-Chloronaphthalene	T16	AR	10	µg/l	<10	<10
2-Chlorophenol	T16	AR	10	µg/l	<10	<10
2-methyl phenol	T16	AR	10	µg/l	<10	<10
2-Methylnaphthalene	T16	AR	10	µg/l	<10	<10
2-Nitroaniline	T16	AR	10	µg/l	<10	<10
2-Nitrophenol	T16	AR	10	µg/l	<10	<10
3-Nitroaniline	T16	AR	10	µg/l	<10	<10
3/4-Methylphenol	T16	AR	10	µg/l	<10	<10
4-Bromophenyl phenylether	T16	AR	10	µg/l	<10	<10
4-Chloro-3-methylphenol	T16	AR	10	µg/l	<10	<10
4-Chloroaniline	T16	AR	10	µg/l	<10	<10
4-Chlorophenyl phenylether	T16	AR	10	µg/l	<10	<10
4-Nitroaniline	T16	AR	10	µg/l	<10	<10
Acenaphthene	T16	AR	10	µg/l	<10	<10
Acenaphthylene	T16	AR	10	µg/l	<10	<10
Anthracene	T16	AR	10	µg/l	<10	<10
Azobenzene	T16	AR	10	µg/l	<10	<10
Benzo(a)Anthracene	T16	AR	10	µg/l	<10	<10
Benzo(a)Pyrene	T16	AR	10	µg/l	<10	<10
Benzo(b/k)Fluoranthene	T16	AR	10	µg/l	<10	<10
Benzo(ghi)Perylene	T16	AR	10	µg/l	<10	<10
Bis (2-chloroethoxy) methane	T16	AR	10	µg/l	<10	<10
Bis (2-chloroethyl) ether	T16	AR	10	µg/l	<10	<10
Bis (2-chloroisopropyl) ether	T16	AR	10	µg/l	<10	<10
Bis (2-ethylhexyl)phthalate	T16	AR	10	µg/l	<10	<10
Butyl benzylphthalate	T16	AR	10	µg/l	<10	<10
Carbazole	T16	AR	10	µg/l	<10	<10
Chrysene	T16	AR	10	µg/l	<10	<10
Di-n-butylphthalate	T16	AR	10	µg/l	<10	<10
Di-n-octylphthalate	T16	AR	10	µg/l	<10	<10
Dibenzo(ah)Anthracene	T16	AR	10	µg/l	<10	<10
Dibenzofuran	T16	AR	10	µg/l	<10	<10
Diethyl phthalate	T16	AR	10	µg/l	<10	<10
Dimethyl phthalate	T16	AR	10	µg/l	<10	<10
Fluoranthene	T16	AR	10	µg/l	<10	<10
Fluorene	T16	AR	10	µg/l	<10	<10
Hexachlorobenzene	T16	AR	10	µg/l	<10	<10
Hexachlorobutadiene	T16	AR	10	µg/l	<10	<10
Hexachlorocyclopentadiene	T16	AR	10	µg/l	<10	<10
Hexachloroethane	T16	AR	10	µg/l	<10	<10
Indeno(123-cd)Pyrene	T16	AR	10	µg/l	<10	<10
Isophorone	T16	AR	10	µg/l	<10	<10
Naphthalene	T16	AR	10	µg/l	<10	<10
Nitrobenzene	T16	AR	10	µg/l	<10	<10
Pentachlorophenol	T16	AR	10	µg/l	<10	<10
Phenanthrene	T16	AR	10	µg/l	<10	<10
Phenol	T16	AR	10	µg/l	<10	<10
Pyrene	T16	AR	10	µg/l	<10	<10

SAL Reference: 557999

Project Site: Monckton

Customer Reference: G15009

Water

Analysed as Water

TPH (CWG)

SAL Reference				557999 001	557999 002	557999 003	
Customer Sample Reference				BH303	BH304	SP1	
Date Sampled				17-MAR-2016	17-MAR-2016	17-MAR-2016	
Determinand	Method	Test Sample	LOD	Units			
TPH (C5-C8 aliphatic)	T215	AR	10	µg/l	<10	<10	<10
TPH (C6-C8 aliphatic)	T215	AR	10	µg/l	<10	<10	<10
TPH (C8-C10 aliphatic)	T215	AR	10	µg/l	<10	<10	<10
TPH DW(C10-C12 aliphatic)	T81	AR	0.01	mg/l	<0.01	0.03	<0.01
TPH DW(C12-C16 aliphatic)	T81	AR	0.01	mg/l	<0.01	0.16	<0.01
TPH DW(C16-C21 aliphatic)	T81	AR	0.01	mg/l	<0.01	<0.01	<0.01
TPH DW(C21-C35 aliphatic)	T81	AR	0.01	mg/l	<0.01	<0.01	<0.01
TPH (C6-C7 aromatic)	T215	AR	10	µg/l	<10	<10	<10
TPH (C7-C8 aromatic)	T215	AR	10	µg/l	<10	<10	<10
TPH (C8-C10 aromatic)	T215	AR	10	µg/l	<10	<10	<10
TPH DW(C10-C12 aromatic)	T81	AR	0.01	mg/l	<0.01	<0.01	<0.01
TPH DW(C12-C16 aromatic)	T81	AR	0.01	mg/l	<0.01	0.02	<0.01
TPH DW(C16-C21 aromatic)	T81	AR	0.01	mg/l	<0.01	0.03	(13) <0.01
TPH DW(C21-C35 aromatic)	T81	AR	0.01	mg/l	<0.01	<0.01	<0.01

Index to symbols used in 557999-2

Value	Description
F	Filtered
AR	As Received
13	Results have been blank corrected.
9	LOD raised due to dilution of sample
64	Analysis was performed by an alternative technique
U	Analysis is UKAS accredited
N	Analysis is not UKAS accredited

Notes

Phenol analysis was carried out at SAL Manchester.

Method Index

Value	Description
T281	ICP/MS (Filtered)
T215	GC/MS (Headspace)(LV)
T16	GC/MS
T17	HPLC
T22	Titration
T7	Probe
T6	ICP/OES
T54	GC/MS (Headspace)
T686	Discrete Analyser
T149	GC/MS (SIR)
T285	ICP/OES (SIM) (Filtered)
T81	GC/FID (LV)
T373	ICP/OES (Filtered)

Accreditation Summary

Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Alkalinity expressed as CaCO ₃	T22	AR	10	mg/l	N	003
Ammoniacal nitrogen	T686	F	0.05	mg/l	U	001-003
Chloride	T686	F	1	mg/l	U	001-003
NO ₃ expressed as N	T686	F	0.5	mg/l	U	001-002
B (Dissolved)	T373	AR	0.01	mg/l	N	003
Ca (Dissolved)	T373	AR	1	mg/l	N	003
Dissolved Mg	T285	AR	0.1	mg/l	N	003
Dissolved K	T285	AR	0.1	mg/l	N	001-003
Dissolved Na	T285	AR	0.05	mg/l	N	001-003
Sulphur (total)	T6	AR	50	mg/l	N	003
pH	T7	AR			U	003
Benzene	T54	AR	1	µg/l	U	003
Ethylbenzene	T54	AR	1	µg/l	U	003
M/P Xylene	T54	AR	1	µg/l	U	003
O Xylene	T54	AR	1	µg/l	U	003
Toluene	T54	AR	1	µg/l	U	003
As (Dissolved)	T281	AR	0.2	µg/l	U	003
Cd (Dissolved)	T281	AR	0.02	µg/l	U	003
Cr (Dissolved)	T281	AR	1	µg/l	U	003
Cu (Dissolved)	T281	AR	0.5	µg/l	U	003
Pb (Dissolved)	T281	AR	0.3	µg/l	U	003
Hg (Dissolved)	T281	AR	0.05	µg/l	U	003
Ni (Dissolved)	T281	AR	1	µg/l	U	003
Se (Dissolved)	T281	AR	0.5	µg/l	U	003
Zn (Dissolved)	T281	AR	2	µg/l	U	003
Naphthalene	T149	AR	0.01	µg/l	U	003
Acenaphthylene	T149	AR	0.01	µg/l	U	003
Acenaphthene	T149	AR	0.01	µg/l	U	003
Fluorene	T149	AR	0.01	µg/l	U	003
Phenanthrene	T149	AR	0.01	µg/l	U	003
Anthracene	T149	AR	0.01	µg/l	U	003
Fluoranthene	T149	AR	0.01	µg/l	U	003

Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Pyrene	T149	AR	0.01	µg/l	U	003
Benzo(a)Anthracene	T149	AR	0.01	µg/l	U	003
Chrysene	T149	AR	0.01	µg/l	U	003
Benzo(b)fluoranthene	T149	AR	0.01	µg/l	U	003
Benzo(k)fluoranthene	T149	AR	0.01	µg/l	U	003
Benzo(a)Pyrene	T149	AR	0.01	µg/l	U	003
Indeno(123-cd)Pyrene	T149	AR	0.01	µg/l	U	003
Dibenzo(ah)Anthracene	T149	AR	0.01	µg/l	U	003
Benzo(ghi)Perylene	T149	AR	0.01	µg/l	U	003
PAH(total)	T149	AR	0.01	µg/l	U	003
Catechol	T17	AR	0.005	mg/l	N	001-003
Cresols	T17	AR	0.005	mg/l	N	001-003
Naphthols	T17	AR	0.01	mg/l	N	001-003
Phenol	T17	AR	0.005	mg/l	N	001-003
Resorcinol	T17	AR	0.005	mg/l	N	001-003
Total Phenols	T17	AR	0.01	mg/l	N	001-003
Trimethyl phenols	T17	AR	0.01	mg/l	N	001-003
Xylenols	T17	AR	0.01	mg/l	N	001-003
1,2,4-Trichlorobenzene	T16	AR	10	µg/l	U	002,004
1,2-Dichlorobenzene	T16	AR	10	µg/l	U	002,004
1,3-Dichlorobenzene	T16	AR	10	µg/l	U	002,004
1,4-Dichlorobenzene	T16	AR	10	µg/l	U	002,004
2,4,5-Trichlorophenol	T16	AR	10	µg/l	U	002,004
2,4,6-Trichlorophenol	T16	AR	10	µg/l	U	002,004
2,4-Dichlorophenol	T16	AR	10	µg/l	U	002,004
2,4-Dimethylphenol	T16	AR	10	µg/l	U	002,004
2,4-Dinitrophenol	T16	AR	10	µg/l	N	002,004
2,4-Dinitrotoluene	T16	AR	10	µg/l	U	002,004
2,6-Dinitrotoluene	T16	AR	10	µg/l	U	002,004
2-Chloronaphthalene	T16	AR	10	µg/l	U	002,004
2-Chlorophenol	T16	AR	10	µg/l	U	002,004
2-methyl phenol	T16	AR	10	µg/l	U	002,004
2-Methylnaphthalene	T16	AR	10	µg/l	U	002,004
2-Nitroaniline	T16	AR	10	µg/l	U	002,004
2-Nitrophenol	T16	AR	10	µg/l	U	002,004
3-Nitroaniline	T16	AR	10	µg/l	U	002,004
3/4-Methylphenol	T16	AR	10	µg/l	U	002,004
4-Bromophenyl phenylether	T16	AR	10	µg/l	U	002,004
4-Chloro-3-methylphenol	T16	AR	10	µg/l	U	002,004
4-Chloroaniline	T16	AR	10	µg/l	U	002,004
4-Chlorophenyl phenylether	T16	AR	10	µg/l	U	002,004
4-Nitroaniline	T16	AR	10	µg/l	U	002,004
Acenaphthene	T16	AR	10	µg/l	U	002,004
Acenaphthylene	T16	AR	10	µg/l	U	002,004
Anthracene	T16	AR	10	µg/l	U	002,004
Azobenzene	T16	AR	10	µg/l	U	002,004
Benzo(a)Anthracene	T16	AR	10	µg/l	U	002,004
Benzo(a)Pyrene	T16	AR	10	µg/l	U	002,004
Benzo(b/k)Fluoranthene	T16	AR	10	µg/l	U	002,004
Benzo(ghi)Perylene	T16	AR	10	µg/l	U	002,004
Bis (2-chloroethoxy) methane	T16	AR	10	µg/l	U	002,004
Bis (2-chloroethyl) ether	T16	AR	10	µg/l	U	002,004
Bis (2-chloroisopropyl) ether	T16	AR	10	µg/l	U	002,004
Bis (2-ethylhexyl)phthalate	T16	AR	10	µg/l	U	002,004
Butyl benzylphthalate	T16	AR	10	µg/l	U	002,004
Carbazole	T16	AR	10	µg/l	U	002,004
Chrysene	T16	AR	10	µg/l	U	002,004
Di-n-butylphthalate	T16	AR	10	µg/l	U	002,004
Di-n-octylphthalate	T16	AR	10	µg/l	U	002,004
Dibenzo(ah)Anthracene	T16	AR	10	µg/l	U	002,004
Dibenzofuran	T16	AR	10	µg/l	U	002,004
Diethyl phthalate	T16	AR	10	µg/l	U	002,004
Dimethyl phthalate	T16	AR	10	µg/l	U	002,004
Fluoranthene	T16	AR	10	µg/l	U	002,004
Fluorene	T16	AR	10	µg/l	U	002,004
Hexachlorobenzene	T16	AR	10	µg/l	U	002,004
Hexachlorobutadiene	T16	AR	10	µg/l	U	002,004
Hexachlorocyclopentadiene	T16	AR	10	µg/l	U	002,004
Hexachloroethene	T16	AR	10	µg/l	U	002,004
Indeno(123-cd)Pyrene	T16	AR	10	µg/l	U	002,004

Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Isophorone	T16	AR	10	µg/l	U	002,004
Naphthalene	T16	AR	10	µg/l	U	002,004
Nitrobenzene	T16	AR	10	µg/l	U	002,004
Pentachlorophenol	T16	AR	10	µg/l	U	002,004
Phenanthrene	T16	AR	10	µg/l	U	002,004
Phenol	T16	AR	10	µg/l	U	002,004
Pyrene	T16	AR	10	µg/l	U	002,004
TPH (C5-C6 aliphatic)	T215	AR	10	µg/l	N	001-003
TPH (C6-C8 aliphatic)	T215	AR	10	µg/l	N	001-003
TPH (C8-C10 aliphatic)	T215	AR	10	µg/l	N	001-003
TPH DW(C10-C12 aliphatic)	T81	AR	0.01	mg/l	N	001-003
TPH DW(C12-C16 aliphatic)	T81	AR	0.01	mg/l	N	001-003
TPH DW(C16-C21 aliphatic)	T81	AR	0.01	mg/l	N	001-003
TPH DW(C21-C35 aliphatic)	T81	AR	0.01	mg/l	N	001-003
TPH (C6-C7 aromatic)	T215	AR	10	µg/l	N	001-003
TPH (C7-C8 aromatic)	T215	AR	10	µg/l	N	001-003
TPH (C8-C10 aromatic)	T215	AR	10	µg/l	N	001-003
TPH DW(C10-C12 aromatic)	T81	AR	0.01	mg/l	N	001-003
TPH DW(C12-C16 aromatic)	T81	AR	0.01	mg/l	N	001-003
TPH DW(C16-C21 aromatic)	T81	AR	0.01	mg/l	N	001-003
TPH DW(C21-C35 aromatic)	T81	AR	0.01	mg/l	N	001-003



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Scientific Analysis Laboratories Ltd

Certificate of Analysis

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Report Number: 558017-1

Date of Report: 06-Apr-2016

Customer: Patrick Parsons Ltd
Orient House
16 McPhater St
Glasgow
G4 0HW

Customer Contact: Mr Jim Heather

Customer Job Reference: G15009

Date Job Received at SAL: 25-Mar-2016

Date Analysis Started: 30-Mar-2016

Date Analysis Completed: 06-Apr-2016

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

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Tests covered by this certificate were conducted in accordance with SAL SOPs
All results have been reviewed in accordance with Section 25 of the SAL Quality Manual



Report checked
and authorised by :
Miss Ashleigh Hanna
Project Manager

Issued by :
Miss Ashleigh Hanna
Project Manager

SAL Reference: 558017 Customer Reference: G15009									
Leachate		Analysed as Water							
Miscellaneous									
SAL Reference		558017 015	558017 016	558017 021	558017 024	558017 027			
Customer Sample Reference		TP1011 1.9m	TP1012 2.0m	TP1014 1.7m	TP1017 1.0m	TP1020 1.2m			
Date Sampled		Deviating	Deviating	Deviating	Deviating	Deviating			
Determinand	Method	Test Sample	LOD	Units					
Ammoniacal nitrogen	T686	10:1	0.05	mg/l	7.5	0.40	<0.05	<0.05	<0.05
Chloride	T686	10:1	1	mg/l	3	-	1	3	2
B (Dissolved)	T373	10:1	0.01	mg/l	-	<0.01	<0.01	<0.01	<0.01
Sulphur (total)	T6	10:1	50	mg/l	-	<50	<50	<50	260
Cyanide(Total)	T4	10:1	0.05	mg/l	-	<0.05	<0.05	<0.05	0.53
PH (C10-C35)	T81	10:1	0.01	mg/l	-	(13) <0.01	-	-	-
pH	T7	10:1			-	5.9	6.4	7.0	6.5

Produced by Scientific Analysis Laboratories Ltd, 16 Langlands Place, Kelvin South Business Park, East Kilbride, G75 0YF
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Analytical Report Number : 15-75496

Project / Site name:	Moncton Phase I	Samples received on:	07/05/2015
Your job number:	G151311	Samples instructed on:	16/07/2015
Your order number:		Analysis completed by:	06/08/2015
Report Issue Number:	1	Report issued on:	06/08/2015
Samples Analysed:	5 leachate samples - 12 soil samples		

Signed:

Rexona Rahman
Reporting Manager
For & on behalf of i2 Analytical Ltd.

Signed:

Emma Winter
Assistant Reporting Manager
For & on behalf of i2 Analytical Ltd.

Other office located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting

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MCERTS



Environmental Science

Analytical Report Number: 15-75496

Project / Site name: Moncton Phase I

Lab Sample Number	466017	466018	466019	466020	466021	466022
Sample Reference	TP101	TP103	TP104	TP105	TP106	TP106
Sample Number	ES+D	ES+D+B	ES+D+B	ES+D	ES+D+B	ES+D+B
Depth (m)	1.00	1.00	1.00	1.50	1.00	1.50
Date Sampled	Deviating	Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status			
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1
Moisture Content	%	N/A	NONE	13	15	7.1
Total mass of sample received	kg	0.001	NONE	0.92	1.1	1.0
				2.0	1.2	2.0

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	-

General Inorganics

pH	pH Units	N/A	MCERTS	6.1	7.7	8.0	7.4	5.8	4.6
Total Sulphate as SO ₄	mg/kg	50	MCERTS	2400	1600	10000	3700	7400	1600
Water Soluble Sulphate (Soil Equivalent)	g/l	0.0025	MCERTS	1.0	0.96	1.5	1.3	1.2	0.99
Water Soluble SO ₄ (BRE SD 2:1 Leach Equivalent)	g/l	0.00125	MCERTS	0.52	0.48	0.74	0.63	0.58	0.49
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	170	94	540	47	300	200
Total Sulphur	mg/kg	50	NONE	1200	2200	4100	1800	2600	670
Ammonium as NH ₄	mg/kg	0.5	MCERTS	1/5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Water Soluble Nitrate (2:1) as N	mg/kg	2	NONE	5.0	35	< 2.0	< 2.0	< 2.0	3.1
Calorific Value (Subcontracted)	MJ/kg	0.01	NONE	6.04	15.9	18.4	6.89	0.414	-

Phenols by GC-MS

Phenol	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
2,4-Dichlorophenol	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	-
2,4-Dimethylphenol	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	-
2-Chlorophenol	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
2-Methylphenol	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	-
2-Nitrophenol	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	-
4-Chloro-3-methylphenol	mg/kg	0.1	ISO 17025	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
4-Methylphenol	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	-

Total Phenols

Total Phenols (GC-MS)	mg/kg	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	6.6	3.2	6.2	< 0.05	-
Acenaphthylene	mg/kg	0.1	MCERTS	< 0.10	1.1	< 0.10	< 0.10	< 0.10	-
Acenaphthene	mg/kg	0.1	MCERTS	< 0.10	1.1	0.61	< 0.10	< 0.10	-
Fluorene	mg/kg	0.1	MCERTS	< 0.10	1.4	< 0.10	< 0.10	< 0.10	-
Phenanthrene	mg/kg	0.1	MCERTS	1.3	8.0	2.7	3.0	< 0.10	-
Anthracene	mg/kg	0.1	MCERTS	0.17	2.5	0.53	0.18	< 0.10	-
Fluoranthene	mg/kg	0.1	MCERTS	0.50	9.7	1.6	0.61	< 0.10	-
Pyrene	mg/kg	0.1	MCERTS	0.43	9.3	1.5	0.61	< 0.10	-
Benzo(a)anthracene	mg/kg	0.1	MCERTS	0.27	6.4	1.2	0.36	< 0.10	-
Chrysene	mg/kg	0.05	MCERTS	0.29	6.4	1.4	0.43	< 0.05	-
Benzo(b)fluoranthene	mg/kg	0.1	MCERTS	< 0.10	5.3	< 0.10	< 0.10	< 0.10	-
Benzo(k)fluoranthene	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	-
Benzo(a)pyrene	mg/kg	0.1	MCERTS	< 0.10	5.9	1.2	0.18	< 0.10	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	MCERTS	< 0.10	3.1	0.65	< 0.10	< 0.10	-
Dibenz(a,h)anthracene	mg/kg	0.1	MCERTS	< 0.10	0.96	0.23	< 0.10	< 0.10	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	4.0	0.89	< 0.05	< 0.05	-

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	1.6	MCERTS	2.92	71.8	15.6	11.6	< 1.60	-
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Environmental Science

Analytical Report Number: 15-75496

Project / Site name: Moncton Phase I

Lab Sample Number				466017	466018	466019	466020	466021	466022
Sample Reference				TP101	TP103	TP104	TP105	TP106	TP106
Sample Number				ES+D	ES+D+B	ES+D+B	ES+D	ES+D+B	ES+D+B
Depth (m)				1.00	1.00	1.00	1.50	1.00	1.50
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status						
Heavy Metals / Metalloids									
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	32	22	9.0	9.5	16	-
Boron (water soluble)	mg/kg	0.2	MCERTS	0.7	0.6	1.2	1.0	0.5	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	13	11	14	16	33	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	46	74	40	43	27	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	71	63	45	17	13	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	0.4	< 0.3	< 0.3	< 0.3	< 0.3	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	24	31	19	33	24	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	1.1	1.2	< 1.0	< 1.0	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	33	65	130	110	33	-
Magnesium (water soluble)	mg/kg	5	NONE	-	-	-	-	-	-
Monoaromatics									
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
Petroleum Hydrocarbons									
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	12	< 1.0	< 1.0	< 1.0	-
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	28	< 2.0	< 2.0	< 2.0	-
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	50	11	< 8.0	< 8.0	-
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	310	43	< 8.0	< 8.0	-
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	400	53	< 10	< 10	-
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	8.6	6.6	15	< 1.0	-
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	53	8.6	19	< 2.0	-
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	160	< 10	17	< 10	-
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	940	19	< 10	< 10	-
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	1200	34	50	< 10	-

Analytical Report Number: 15-75496
Project / Site name: Moncton Phase I

Lab Sample Number				466017	466018	466019	466020	466021	466022
Sample Reference				TP101	TP103	TP104	TP105	TP106	TP106
Sample Number				ES+D	ES+D+B	ES+D+B	ES+D	ES+D+B	ES+D+B
Depth (m)				1.00	1.00	1.00	1.50	1.00	1.50
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status						
VOCs									
Chloromethane	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
Chloroethane	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
Bromomethane	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
Vinyl Chloride	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
Trichlorofluoromethane	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
1,1-Dichloroethene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
Cis-1,2-dichloroethene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
1,1-Dichloroethane	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
2,2-Dichloropropane	µg/kg	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
Trichloromethane	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
1,1,1-Trichloroethane	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
1,2-Dichloroethane	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
1,1-Dichloropropene	µg/kg	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
Trans-1,2-dichloroethene	µg/kg	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
Tetrachloromethane	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
1,2-Dichloropropane	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
Trichloroethene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
Dibromomethane	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
Bromodichloromethane	µg/kg	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
Cis-1,3-dichloropropene	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
Trans-1,3-dichloropropene	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
1,1,2-Trichloroethane	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
1,3-Dichloropropane	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
Dibromochloromethane	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
Tetrachloroethene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
1,2-Dibromoethane	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
Chlorobenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
1,1,1,2-Tetrachloroethane	µg/kg	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
p & m-Xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
Styrene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
Tribromomethane	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
o-Xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
1,1,2,2-Tetrachloroethane	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
Isopropylbenzene	µg/kg	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
Bromobenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
n-Propylbenzene	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
2-Chlorotoluene	µg/kg	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
4-Chlorotoluene	µg/kg	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
1,3,5-Trimethylbenzene	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
tert-Butylbenzene	µg/kg	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
1,2,4-Trimethylbenzene	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
sec-Butylbenzene	µg/kg	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
1,3-Dichlorobenzene	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
o-Isopropyltoluene	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
1,2-Dichlorobenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
1,4-Dichlorobenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
Butylbenzene	µg/kg	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
1,2-Dibromo-3-chloropropane	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
1,2,4-Trichlorobenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
Hexachlorobutadiene	µg/kg	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
1,2,3-Trichlorobenzene	µg/kg	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-



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Environmental Science

Analytical Report Number: 15-75496

Project / Site name: Moncton Phase I

Lab Sample Number				466017	466018	466019	466020	466021	466022
Sample Reference				TP101	TP103	TP104	TP105	TP106	TP106
Sample Number				ES+D	ES+D+B	ES+D+B	ES+D	ES+D+B	ES+D+B
Depth (m)				1.00	1.00	1.00	1.50	1.00	1.50
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status						
SVOCs									
Aniline	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
Phenol	mg/kg	0.2	ISO 17025	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	-
2-Chlorophenol	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
Bis(2-chloroethyl) ether	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	-
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	-
Bis(2-chloroisopropyl) ether	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
2-Methylphenol	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	-
Hexachloroethane	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-
Nitrobenzene	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	-
4-Methylphenol	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	-
Isophorone	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	-
2-Nitrophenol	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	-
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	6.5	3.2	6.2	< 0.05	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	-
4-Chloroaniline	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	-
2-Methylnaphthalene	mg/kg	0.1	NONE	0.6	4.4	2.4	4.2	< 0.1	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
Dimethylphthalate	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
Acenaphthylene	mg/kg	0.1	MCERTS	< 0.10	1.1	< 0.10	< 0.10	< 0.10	-
Acenaphthene	mg/kg	0.1	MCERTS	< 0.10	1.1	0.61	< 0.10	< 0.10	-
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	-
Dibenzofuran	mg/kg	0.2	MCERTS	0.6	3.4	1.7	2.0	< 0.2	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	-
Diethyl phthalate	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	-
4-Nitroaniline	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	-
Fluorene	mg/kg	0.1	MCERTS	< 0.10	1.4	< 0.10	< 0.10	< 0.10	-
Azobenzene	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	-
Phenanthrene	mg/kg	0.1	MCERTS	1.3	8.0	2.7	3.0	< 0.10	-
Anthracene	mg/kg	0.1	MCERTS	0.17	2.5	0.53	0.18	< 0.10	-
Carbazole	mg/kg	0.3	MCERTS	< 0.3	0.9	< 0.3	< 0.3	< 0.3	-
Dibutyl phthalate	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	-
Anthraquinone	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	-
Fluoranthene	mg/kg	0.1	MCERTS	0.50	9.7	1.6	0.61	< 0.10	-
Pyrene	mg/kg	0.1	MCERTS	0.43	9.3	1.5	0.61	< 0.10	-
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	-
Benzo(a)anthracene	mg/kg	0.1	MCERTS	0.27	6.4	1.2	0.36	< 0.10	-
Chrysene	mg/kg	0.05	MCERTS	0.29	6.4	1.4	0.43	< 0.05	-
Benzo(b)fluoranthene	mg/kg	0.1	MCERTS	< 0.10	5.3	< 0.10	< 0.10	< 0.10	-
Benzo(k)fluoranthene	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	-
Benzo(a)pyrene	mg/kg	0.1	MCERTS	< 0.10	5.9	1.2	0.18	< 0.10	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	MCERTS	< 0.10	3.1	0.65	< 0.10	< 0.10	-
Dibenz(a,h)anthracene	mg/kg	0.1	MCERTS	< 0.10	0.96	0.23	< 0.10	< 0.10	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	4.0	0.89	< 0.05	< 0.05	-

I/S - Insufficient sample

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The results included within the report are representative of the samples submitted for analysis.

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Analytical Report Number: 15-75496
Project / Site name: Moncton Phase I

Lab Sample Number	466023	466024	466025	466026	466027	466028
Sample Reference	TP107	TP108	TP109	TP109	WS7	WS9
Sample Number	ES+D+B	ES+D+B	ES+D	ES+D	D	ES+D
Depth (m)	0.50	0.30	2.50	3.50	2.00	3.00
Date Sampled	Deviating	Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status			
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1
Moisture Content	%	N/A	NONE	7.9	8.9	5.8
Total mass of sample received	kg	0.001	NONE	1.2	0.98	0.84
				18	7.6	19
				2.0	0.68	1.4

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	Chrysotile- Loose fibres	Chrysotile- Loose fibres	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Detected	Detected	Not-detected	-	-	-

General Inorganics

pH	pH Units	N/A	MCERTS	6.5	6.5	7.1	6.4	6.7	6.1
Total Sulphate as SO ₄	mg/kg	50	MCERTS	4800	20000	2500	880	550	6300
Water Soluble Sulphate (Soil Equivalent)	g/l	0.0025	MCERTS	4.1	3.7	0.81	0.35	0.20	0.63
Water Soluble SO ₄ (BRE SD 2:1 Leach Equivalent)	g/l	0.00125	MCERTS	2.0	1.9	0.40	0.17	0.098	0.32
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	370	120	44	29	130	410
Total Sulphur	mg/kg	50	NONE	2400	13000	1200	300	240	2300
Ammonium as NH ₄	mg/kg	0.5	MCERTS	< 0.5	< 0.5	< 0.5	I/S	I/S	< 0.5
Water Soluble Nitrate (2:1) as N	mg/kg	2	NONE	5.2	2.0	< 2.0	I/S	I/S	< 2.0
Calorific Value (Subcontracted)	MJ/kg	0.01	NONE	2.63	6.58	4.09	-	-	-

Phenols by GC-MS

Phenol	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	-	-	-
2-Chlorophenol	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	-	-	-
2-Methylphenol	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	ISO 17025	< 0.1	< 0.1	< 0.1	-	-	-
4-Methylphenol	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	-	-	-

Total Phenols

Total Phenols (GC-MS)	mg/kg	1	NONE	< 1.0	< 1.0	< 1.0	-	-	-
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	1.2	1.8	3.1	-	-	-
Acenaphthylene	mg/kg	0.1	MCERTS	< 0.10	0.36	< 0.10	-	-	-
Acenaphthene	mg/kg	0.1	MCERTS	0.41	< 0.10	< 0.10	-	-	-
Fluorene	mg/kg	0.1	MCERTS	0.66	< 0.10	< 0.10	-	-	-
Phenanthrene	mg/kg	0.1	MCERTS	5.0	3.1	1.1	-	-	-
Anthracene	mg/kg	0.1	MCERTS	0.83	0.66	< 0.10	-	-	-
Fluoranthene	mg/kg	0.1	MCERTS	3.7	4.8	< 0.10	-	-	-
Pyrene	mg/kg	0.1	MCERTS	2.7	4.3	< 0.10	-	-	-
Benzo(a)anthracene	mg/kg	0.1	MCERTS	1.3	2.9	< 0.10	-	-	-
Chrysene	mg/kg	0.05	MCERTS	1.3	2.9	< 0.05	-	-	-
Benzo(b)fluoranthene	mg/kg	0.1	MCERTS	< 0.10	2.4	< 0.10	-	-	-
Benzo(k)fluoranthene	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	-	-	-
Benzo(a)pyrene	mg/kg	0.1	MCERTS	0.87	2.6	< 0.10	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	MCERTS	0.42	1.8	< 0.10	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.1	MCERTS	0.13	0.45	< 0.10	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.49	2.0	< 0.05	-	-	-

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	1.6	MCERTS	18.8	30.1	4.24	-	-	-
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Environmental Science

Analytical Report Number: 15-75496

Project / Site name: Moncton Phase I

Lab Sample Number				466023	466024	466025	466026	466027	466028
Sample Reference				TP107	TP108	TP109	TP109	WS7	WS9
Sample Number				ES+D+B	ES+D+B	ES+D	ES+D	D	ES+D
Depth (m)				0.50	0.30	2.50	3.50	2.00	3.00
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status						
Heavy Metals / Metalloids									
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	22	39	12	-	-	-
Boron (water soluble)	mg/kg	0.2	MCERTS	0.6	0.4	0.9	-	-	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	-	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	32	20	20	-	-	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	72	59	53	-	-	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	34	130	26	-	-	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	-	-	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	52	32	54	-	-	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	90	58	110	-	-	-
Magnesium (water soluble)	mg/kg	5	NONE	2600	11000	-	-	-	-
Monoaromatics									
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-	-
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-	-
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-	-
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-	-
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-	-
Petroleum Hydrocarbons									
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	-	-	-
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	-	-	-
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	-	-	-
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-	-
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	2.1	< 2.0	2.1	-	-	-
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	-	-	-
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	19	38	< 8.0	-	-	-
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	21	38	< 10	-	-	-
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	-	-	-
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	-	-	-
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	-	-	-
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	10	7.1	6.0	-	-	-
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	5.7	3.5	< 2.0	-	-	-
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	21	27	< 10	-	-	-
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	19	47	< 10	-	-	-
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	55	84	< 10	-	-	-



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Environmental Science

Analytical Report Number: 15-75496

Project / Site name: Moncton Phase I

Lab Sample Number	466023	466024	466025	466026	466027	466028
Sample Reference	TP107	TP108	TP109	TP109	WS7	WS9
Sample Number	ES+D+B	ES+D+B	ES+D	ES+D	D	ES+D
Depth (m)	0.50	0.30	2.50	3.50	2.00	3.00
Date Sampled	Deviating	Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status			
VOCs						
Chloromethane	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0
Chloroethane	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0
Bromomethane	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0
Vinyl Chloride	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0
Cis-1,2-dichloroethene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
2,2-Dichloropropane	µg/kg	1	NONE	< 1.0	< 1.0	< 1.0
Trichloromethane	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	µg/kg	1	NONE	< 1.0	< 1.0	< 1.0
Trans-1,2-dichloroethene	µg/kg	1	NONE	< 1.0	< 1.0	< 1.0
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Tetrachloromethane	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Trichloroethene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Dibromomethane	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Bromodichloromethane	µg/kg	1	NONE	< 1.0	< 1.0	< 1.0
Cis-1,3-dichloropropene	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0
Trans-1,3-dichloropropene	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
1,3-Dichloropropane	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0
Dibromochloromethane	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0
Tetrachloroethene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0
Chlorobenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	µg/kg	1	NONE	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
p & m-Xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Styrene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Tribromomethane	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
o-Xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Isopropylbenzene	µg/kg	1	NONE	< 1.0	< 1.0	< 1.0
Bromobenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
n-Propylbenzene	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0
2-Chlorotoluene	µg/kg	1	NONE	< 1.0	< 1.0	< 1.0
4-Chlorotoluene	µg/kg	1	NONE	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0
tert-Butylbenzene	µg/kg	1	NONE	< 1.0	< 1.0	< 1.0
1,2,4-Trimethylbenzene	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	µg/kg	1	NONE	< 1.0	< 1.0	< 1.0
1,3-Dichlorobenzene	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Butylbenzene	µg/kg	1	NONE	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	µg/kg	1	NONE	< 1.0	< 1.0	< 1.0
1,2,3-Trichlorobenzene	µg/kg	1	NONE	< 1.0	< 1.0	< 1.0

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The results included within the report are representative of the samples submitted for analysis.

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Analytical Report Number: 15-75496
Project / Site name: Moncton Phase I

Lab Sample Number	466023	466024	466025	466026	466027	466028
Sample Reference	TP107	TP108	TP109	TP109	WS7	WS9
Sample Number	ES+D+B	ES+D+B	ES+D	ES+D	D	ES+D
Depth (m)	0.50	0.30	2.50	3.50	2.00	3.00
Date Sampled	Deviating	Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status			
SVOCs						
Aniline	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1
Phenol	mg/kg	0.2	ISO 17025	< 0.2	< 0.2	< 0.2
2-Chlorophenol	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1
2-Methylphenol	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3
Hexachloroethane	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Nitrobenzene	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3
4-Methylphenol	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2
Isophorone	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2
2-Nitrophenol	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3
Naphthalene	mg/kg	0.05	MCERTS	1.2	1.8	3.1
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3
4-Chloroaniline	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1
Hexachlorobutadiene	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2
2-Methylnaphthalene	mg/kg	0.1	NONE	0.8	0.9	2.0
2-Chloronaphthalene	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1
Dimethylphthalate	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1
Acenaphthylene	mg/kg	0.1	MCERTS	< 0.10	0.36	< 0.10
Acenaphthene	mg/kg	0.1	MCERTS	0.41	< 0.10	< 0.10
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2
Dibenzofuran	mg/kg	0.2	MCERTS	1.1	0.8	1.0
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	< 0.3	< 0.3	< 0.3
Diethyl phthalate	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2
4-Nitroaniline	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2
Fluorene	mg/kg	0.1	MCERTS	0.66	< 0.10	< 0.10
Azobenzene	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2
Hexachlorobenzene	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3
Phenanthrene	mg/kg	0.1	MCERTS	5.0	3.1	1.1
Anthracene	mg/kg	0.1	MCERTS	0.83	0.66	< 0.10
Carbazole	mg/kg	0.3	MCERTS	0.3	0.4	< 0.3
Dibutyl phthalate	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2
Anthraquinone	mg/kg	0.3	MCERTS	< 0.3	0.7	< 0.3
Fluoranthene	mg/kg	0.1	MCERTS	3.7	4.8	< 0.10
Pyrene	mg/kg	0.1	MCERTS	2.7	4.3	< 0.10
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	< 0.3	< 0.3	< 0.3
Benzo(a)anthracene	mg/kg	0.1	MCERTS	1.3	2.9	< 0.10
Chrysene	mg/kg	0.05	MCERTS	1.3	2.9	< 0.05
Benzo(b)fluoranthene	mg/kg	0.1	MCERTS	< 0.10	2.4	< 0.10
Benzo(k)fluoranthene	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10
Benzo(a)pyrene	mg/kg	0.1	MCERTS	0.87	2.6	< 0.10
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	MCERTS	0.42	1.8	< 0.10
Dibenz(a,h)anthracene	mg/kg	0.1	MCERTS	0.13	0.45	< 0.10
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.49	2.0	< 0.05

I/S - Insufficient sample



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Environmental Science

Analytical Report Number: 15-75496

Project / Site name: Moncton Phase I

Lab Sample Number						
Sample Reference						
Sample Number						
Depth (m)						
Date Sampled						
Time Taken						
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status			
Stone Content	%	0.1	NONE			
Moisture Content	%	N/A	NONE			
Total mass of sample received	kg	0.001	NONE			

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025			
Asbestos in Soil	Type	N/A	ISO 17025			

General Inorganics

pH	pH Units	N/A	MCERTS			
Total Sulphate as SO ₄	mg/kg	50	MCERTS			
Water Soluble Sulphate (Soil Equivalent)	g/l	0.0025	MCERTS			
Water Soluble SO ₄ (BRE SD 2:1 Leach Equivalent)	g/l	0.00125	MCERTS			
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS			
Total Sulphur	mg/kg	50	NONE			
Ammonium as NH ₄	mg/kg	0.5	MCERTS			
Water Soluble Nitrate (2:1) as N	mg/kg	2	NONE			
Calorific Value (Subcontracted)	MJ/kg	0.01	NONE			

Phenols by GC-MS

Phenol	mg/kg	0.2	NONE			
2,4,5-Trichlorophenol	mg/kg	0.2	NONE			
2,4,6-Trichlorophenol	mg/kg	0.1	NONE			
2,4-Dichlorophenol	mg/kg	0.3	NONE			
2,4-Dimethylphenol	mg/kg	0.3	NONE			
2-Chlorophenol	mg/kg	0.1	NONE			
2-Methylphenol	mg/kg	0.3	NONE			
2-Nitrophenol	mg/kg	0.3	NONE			
4-Chloro-3-methylphenol	mg/kg	0.1	ISO 17025			
4-Methylphenol	mg/kg	0.2	MCERTS			

Total Phenols

Total Phenols (GC-MS)	mg/kg	1	NONE			
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS			
Acenaphthylene	mg/kg	0.1	MCERTS			
Acenaphthene	mg/kg	0.1	MCERTS			
Fluorene	mg/kg	0.1	MCERTS			
Phenanthrene	mg/kg	0.1	MCERTS			
Anthracene	mg/kg	0.1	MCERTS			
Fluoranthene	mg/kg	0.1	MCERTS			
Pyrene	mg/kg	0.1	MCERTS			
Benzo(a)anthracene	mg/kg	0.1	MCERTS			
Chrysene	mg/kg	0.05	MCERTS			
Benzo(b)fluoranthene	mg/kg	0.1	MCERTS			
Benzo(k)fluoranthene	mg/kg	0.1	MCERTS			
Benzo(a)pyrene	mg/kg	0.1	MCERTS			
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	MCERTS			
Dibenz(a,h)anthracene	mg/kg	0.1	MCERTS			
Benzo(ghi)perylene	mg/kg	0.05	MCERTS			

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	1.6	MCERTS			
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Analytical Report Number: 15-75496

Project / Site name: Moncton Phase I

Lab Sample Number						
Sample Reference						
Sample Number						
Depth (m)						
Date Sampled						
Time Taken						
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status			
Heavy Metals / Metalloids						
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS			
Boron (water soluble)	mg/kg	0.2	MCERTS			
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS			
Chromium (aqua regia extractable)	mg/kg	1	MCERTS			
Copper (aqua regia extractable)	mg/kg	1	MCERTS			
Lead (aqua regia extractable)	mg/kg	1	MCERTS			
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS			
Nickel (aqua regia extractable)	mg/kg	1	MCERTS			
Selenium (aqua regia extractable)	mg/kg	1	MCERTS			
Zinc (aqua regia extractable)	mg/kg	1	MCERTS			
Macnesium (water soluble)	mg/kg	5	NONE			
Monoaromatics						
Benzene	µg/kg	1	MCERTS			
Toluene	µg/kg	1	MCERTS			
Ethylbenzene	µg/kg	1	MCERTS			
p & m-xylene	µg/kg	1	MCERTS			
o-xylene	µg/kg	1	MCERTS			
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS			
Petroleum Hydrocarbons						
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.1	MCERTS			
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.1	MCERTS			
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.1	MCERTS			
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS			
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS			
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS			
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS			
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS			
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.1	MCERTS			
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.1	MCERTS			
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.1	MCERTS			
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS			
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS			
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS			
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS			
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS			



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Environmental Science

Analytical Report Number: 15-75496

Project / Site name: Moncton Phase I

Lab Sample Number						
Sample Reference						
Sample Number						
Depth (m)						
Date Sampled						
Time Taken						
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status			
VOCs						
Chloromethane	µg/kg	1	ISO 17025			
Chloroethane	µg/kg	1	ISO 17025			
Bromomethane	µg/kg	1	ISO 17025			
Vinyl Chloride	µg/kg	1	ISO 17025			
Trichlorofluoromethane	µg/kg	1	ISO 17025			
1,1-Dichloroethene	µg/kg	1	MCERTS			
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	1	ISO 17025			
Cis-1,2-dichloroethene	µg/kg	1	MCERTS			
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS			
1,1-Dichloroethane	µg/kg	1	MCERTS			
2,2-Dichloropropane	µg/kg	1	NONE			
Trichloromethane	µg/kg	1	MCERTS			
1,1,1-Trichloroethane	µg/kg	1	MCERTS			
1,2-Dichloroethane	µg/kg	1	MCERTS			
1,1-Dichloropropene	µg/kg	1	NONE			
Trans-1,2-dichloroethene	µg/kg	1	NONE			
Benzene	µg/kg	1	MCERTS			
Tetrachloromethane	µg/kg	1	MCERTS			
1,2-Dichloropropane	µg/kg	1	MCERTS			
Trichloroethene	µg/kg	1	MCERTS			
Dibromomethane	µg/kg	1	MCERTS			
Bromodichloromethane	µg/kg	1	NONE			
Cis-1,3-dichloropropene	µg/kg	1	ISO 17025			
Trans-1,3-dichloropropene	µg/kg	1	ISO 17025			
Toluene	µg/kg	1	MCERTS			
1,1,2-Trichloroethane	µg/kg	1	MCERTS			
1,3-Dichloropropane	µg/kg	1	ISO 17025			
Dibromochloromethane	µg/kg	1	ISO 17025			
Tetrachloroethene	µg/kg	1	MCERTS			
1,2-Dibromoethane	µg/kg	1	ISO 17025			
Chlorobenzene	µg/kg	1	MCERTS			
1,1,1,2-Tetrachloroethane	µg/kg	1	NONE			
Ethylbenzene	µg/kg	1	MCERTS			
p & m-Xylene	µg/kg	1	MCERTS			
Styrene	µg/kg	1	MCERTS			
Tribromomethane	µg/kg	1	MCERTS			
o-Xylene	µg/kg	1	MCERTS			
1,1,2,2-Tetrachloroethane	µg/kg	1	MCERTS			
Isopropylbenzene	µg/kg	1	NONE			
Bromobenzene	µg/kg	1	MCERTS			
n-Propylbenzene	µg/kg	1	ISO 17025			
2-Chlorotoluene	µg/kg	1	NONE			
4-Chlorotoluene	µg/kg	1	NONE			
1,3,5-Trimethylbenzene	µg/kg	1	ISO 17025			
tert-Butylbenzene	µg/kg	1	NONE			
1,2,4-Trimethylbenzene	µg/kg	1	ISO 17025			
sec-Butylbenzene	µg/kg	1	NONE			
1,3-Dichlorobenzene	µg/kg	1	ISO 17025			
p-Isopropyltoluene	µg/kg	1	ISO 17025			
1,2-Dichlorobenzene	µg/kg	1	MCERTS			
1,4-Dichlorobenzene	µg/kg	1	MCERTS			
Butylbenzene	µg/kg	1	NONE			
1,2-Dibromo-3-chloropropane	µg/kg	1	ISO 17025			
1,2,4-Trichlorobenzene	µg/kg	1	MCERTS			
Hexachlorobutadiene	µg/kg	1	NONE			
1,2,3-Trichlorobenzene	µg/kg	1	NONE			

Analytical Report Number: 15-75496
Project / Site name: Moncton Phase I

Lab Sample Number						
Sample Reference						
Sample Number						
Depth (m)						
Date Sampled						
Time Taken						
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status			
SVOCs						
Aniline	mg/kg	0.1	NONE			
Phenol	mg/kg	0.2	ISO 17025			
2-Chlorophenol	mg/kg	0.1	MCERTS			
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS			
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS			
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS			
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS			
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS			
2-Methylphenol	mg/kg	0.3	MCERTS			
Hexachloroethane	mg/kg	0.05	MCERTS			
Nitrobenzene	mg/kg	0.3	MCERTS			
4-Methylphenol	mg/kg	0.2	NONE			
Isophorone	mg/kg	0.2	MCERTS			
2-Nitrophenol	mg/kg	0.3	MCERTS			
2,4-Dimethylphenol	mg/kg	0.3	MCERTS			
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS			
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS			
Naphthalene	mg/kg	0.05	MCERTS			
2,4-Dichlorophenol	mg/kg	0.3	MCERTS			
4-Chloroaniline	mg/kg	0.1	NONE			
Hexachlorobutadiene	mg/kg	0.1	MCERTS			
4-Chloro-3-methylphenol	mg/kg	0.1	NONE			
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS			
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS			
2-Methylnaphthalene	mg/kg	0.1	NONE			
2-Chloronaphthalene	mg/kg	0.1	MCERTS			
Dimethylphthalate	mg/kg	0.1	MCERTS			
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS			
Acenaphthylene	mg/kg	0.1	MCERTS			
Acenaphthene	mg/kg	0.1	MCERTS			
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS			
Dibenzofuran	mg/kg	0.2	MCERTS			
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025			
Diethyl phthalate	mg/kg	0.2	MCERTS			
4-Nitroaniline	mg/kg	0.2	MCERTS			
Fluorene	mg/kg	0.1	MCERTS			
Azobenzene	mg/kg	0.3	MCERTS			
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS			
Hexachlorobenzene	mg/kg	0.3	MCERTS			
Phenanthrene	mg/kg	0.1	MCERTS			
Anthracene	mg/kg	0.1	MCERTS			
Carbazole	mg/kg	0.3	MCERTS			
Dibutyl phthalate	mg/kg	0.2	MCERTS			
Anthraquinone	mg/kg	0.3	MCERTS			
Fluoranthene	mg/kg	0.1	MCERTS			
Pyrene	mg/kg	0.1	MCERTS			
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025			
Benzo(a)anthracene	mg/kg	0.1	MCERTS			
Chrysene	mg/kg	0.05	MCERTS			
Benzo(b)fluoranthene	mg/kg	0.1	MCERTS			
Benzo(k)fluoranthene	mg/kg	0.1	MCERTS			
Benzo(a)pyrene	mg/kg	0.1	MCERTS			
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	MCERTS			
Dibenz(a,h)anthracene	mg/kg	0.1	MCERTS			
Benzo(ghi)perylene	mg/kg	0.05	MCERTS			

I/S - Insufficient sample



Analytical Report Number: 15-75496

Project / Site name: Moncton Phase I

Lab Sample Number	466029	466030	466031	466032	466033
Sample Reference	TP101	TP104	TP107	TP108	TP109
Sample Number	ES+D	ES+D+B	ES+D+B	ES+D+B	ES+D
Depth (m)	1.00	1.00	0.50	0.30	2.50
Date Sampled	Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Leachate Analysis)	Units	Limit of detection	Accreditation Status		

Phenols by GC-MS

Phenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4,5-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4,6-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dimethylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Chlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Nitrophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Chloro-3-methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Total Phenols

Total Phenols (GC-MS)	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
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Speciated PAHs

Naphthalene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Total PAH

Total EPA-16 PAHs	µg/l	0.2	NONE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
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Heavy Metals / Metalloids

Arsenic (dissolved)	µg/l	1.1	ISO 17025	< 1.1	3.5	< 1.1	< 1.1	< 1.1
Boron (dissolved)	µg/l	10	ISO 17025	42	26	29	26	45
Cadmium (dissolved)	µg/l	0.08	ISO 17025	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08
Chromium (dissolved)	µg/l	0.4	ISO 17025	0.4	0.9	< 0.4	< 0.4	1.3
Copper (dissolved)	µg/l	0.7	ISO 17025	1.1	3.1	1.9	2.8	1.2
Lead (dissolved)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	1.4
Mercury (dissolved)	µg/l	0.5	ISO 17025	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Nickel (dissolved)	µg/l	0.3	ISO 17025	< 0.3	0.3	< 0.3	3.2	0.3
Selenium (dissolved)	µg/l	4	ISO 17025	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Zinc (dissolved)	µg/l	0.4	ISO 17025	8.7	5.9	5.5	11	7.8



Analytical Report Number: 15-75496

Project / Site name: Moncton Phase I

Lab Sample Number				466029	466030	466031	466032	466033
Sample Reference				TP101	TP104	TP107	TP108	TP109
Sample Number				ES+D	ES+D+B	ES+D+B	ES+D+B	ES+D
Depth (m)				1.00	1.00	0.50	0.30	2.50
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Leachate Analysis)	Units	Limit of detection	Accreditation Status					

Monoaromatics

Benzene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C6 - C8	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C8 - C10	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C5 - C7	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C7 - C8	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C8 - C10	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10



Analytical Report Number: 15-75496
Project / Site name: Moncton Phase I

Lab Sample Number				466029	466030	466031	466032	466033
Sample Reference				TP101	TP104	TP107	TP108	TP109
Sample Number				ES+D	ES+D+B	ES+D+B	ES+D+B	ES+D
Depth (m)				1.00	1.00	0.50	0.30	2.50
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Leachate Analysis)	Units	Limit of detection	Accreditation Status					

VOCs

Chloromethane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl Chloride	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-dichloroethene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,2-dichloroethene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-dichloroethane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2,2-Dichloropropane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloromethane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-dichloroethane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,2-dichloroethene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Benzene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloromethane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-dichloropropane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromomethane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,3-dichloropropene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,3-dichloropropene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichloropropane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tribromomethane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Isopropylbenzene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromobenzene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
N-Propylbenzene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Chlorotoluene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
4-Chlorotoluene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tert-Butylbenzene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trimethylbenzene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Sec-Butylbenzene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-dichlorobenzene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-dichlorobenzene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,4-dichlorobenzene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Butylbenzene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	µg/l	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,2,3-Trichlorobenzene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0