

SUMMARY OF EXPLOSIVES ANALYSIS RESULTS

SOIL

Project
Title:

RO BISHOPTON - BURNING GROUNDS

Report
No:

ESG2099/95

sample details			colour- imetric 1	colour- imetric 2	NC	HMX	RDX	EGDN	Tetryl	NG	TNT	PETN	HNS	Picrite	Picric Acid
point n°	depth	type	+ve or -ve		mg/kg										
1	0.3	D	-ve	-ve	<5000	<15	<20	<25	<20	<40	<25	<60	<45	<40	<60
2	0.25	D	-ve	-ve	<5000	<15	<20	<25	<20	<40	<25	<60	<45	<40	<60
3	0.5	D	-ve	-ve	<5000	<15	<20	<25	<20	<40	<25	<60	<45	<40	<60
4	0.4	D	-ve	-ve	<5000	<15	<20	<25	<20	<40	<25	<60	<45	<40	<60
5	0.25	D	-ve	-ve	<5000	<15	<20	<25	<20	<40	<25	<60	<45	<40	<60
6	0.05	D	-ve	+ve	<5000	<15	<20	<25	32	<40	<25	<60	<45	<40	<60
7	0.35	D	-ve	-ve	<5000	<15	<20	<25	<20	<40	<25	<60	<45	<40	<60
7	0.55	D	-ve	-ve	<5000	<15	<20	<25	<20	<40	<25	<60	<45	<40	<60
8	0.3	D	-ve	-ve	<5000	<15	147	<25	<20	<40	<25	<60	<45	<40	<60
9	0.25	D	-ve	-ve	<5000	<15	244	<25	<20	<40	137	<60	<45	<40	<60
10	0.6	D	-ve	+ve	>5000	<15	144	<25	<20	<40	109	<60	<45	<40	236
11	0.6	D	-ve	-ve	>5000	<15	413	<25	<20	<40	549	<60	<45	<40	<60
11	0.9	D	-ve	-ve	<5000	<15	<20	<25	<20	<40	<25	<60	<45	<40	<60
12	0.25	D	-ve	-ve	<5000	<15	72	<25	<20	<40	<25	<60	<45	<40	<60
13	0.35	D	+ve	-ve	<5000	<15	307	<25	<20	<40	7,418	<60	<45	<40	<60
14	0.7	D	-ve	+ve	<5000	<15	64	<25	<20	<40	<25	<60	<45	<40	<60
15	1	D	-ve	+ve	>5000	<15	<20	<25	<20	<40	<25	<60	<45	26	<60
16	0.25	D	-ve	-ve	<5000	<15	<20	<25	<20	<40	<25	<60	<45	<40	<60
16	0.65	D	-ve	-ve	>5000	<15	<20	<25	<20	<40	<25	<60	<45	<40	<60
17	0.6	D	-ve	-ve	>5000	<15	94	<25	<20	<40	<25	<60	<45	<40	<60
17	0.7	D	-ve	-ve	<5000	<15	<20	<25	<20	<40	<25	<60	<45	<40	<60
20	0.6	D	-ve	-ve	<5000	<15	<20	<25	<20	<40	<25	<60	<45	<40	<60
20	1.4	D	-ve	-ve	<5000	<15	<20	<25	<20	<40	<25	<60	<45	<40	<60
21	0.05	D	-ve	-ve	<5000	<15	<20	<25	<20	43	<25	<60	<45	<40	<60

ROYAL ORDNANCE ENVIRONMENTAL SERVICES GROUP

SUMMARY OF EXPLOSIVES ANALYSIS RESULTS	SOIL
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Project Title:	RO BISHOPTON - BURNING GROUNDS	Report No.:	ESG2099/95
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sample details			colour- imetric 1	colour- imetric 2	NC	HMX	RDX	EGDN	Tetryl	NG	TNT	PETN	HNS	Picrite	Picric Acid
point n°	depth	type	+ve or -ve		mg/kg										
22	0.2	D	-ve	-ve	<5000	<15	<20	<25	<20	<40	<25	<60	<45	<40	<60
23	0.45	D	-ve	-ve	<5000	<15	<20	<25	<20	<40	<25	<60	<45	<40	<60
23	0.75	D	-ve	-ve	<5000	<15	<20	<25	<20	<40	<25	<60	<45	<40	<60
Hearth 1	0	D	-ve	-ve	<5000	<15	46	<25	927	98	<25	<60	<45	<40	225
Hearth 2	0	D	-ve	+ve	<5000	<15	<20	<25	<20	<40	<25	<60	<45	<40	<60

ROYAL ORDNANCE ENVIRONMENTAL SERVICES GROUP
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SUMMARY OF EXPLOSIVES ANALYSIS RESULTS	WATER
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Project Title: RO BISHOPTON - BURNING GROUNDS	Report No: ESG2099/95
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sample details	colour- imetric 1	colour- imetric 2	NC	HMX	RDX	EGDN	Tetryl	NG	TNT	PETN	HNS	Picrite	Picric Acid
	+ve or -ve		mg/l										
Culvert by Burning Ground H				<10	<10	<20	<10	<20	<10	<30	<20	<20	<30
Culvert by Burning Ground G				<10	<10	<20	<10	<20	<10	<30	<20	<20	<30
Trial Pit 21				<10	<10	<20	<10	<20	<10	<30	<20	<20	<30

SUMMARY OF CHEMICAL CONTAMINATION RESULTS															SOIL						
Project Title: RO BISHOPTON - BURNING GROUNDS															Report No: ESG2099/95						
Sample details			ICRCL Group A						ICRCL Group B				Others								
			As	Cd	Cr	Pb	Hg	Se	B(w/s)	Cu	Ni	Zn	PAH(F)	PHE	Chl Solv	CN(T)	THIO	SO ₄	SD	pH	
Point n°	Depth	Type	mg/kg																%	mg/kg	unit
1	0.3	D	11	<0.5	39	84	<0.5	1.4	59	84	55	94	<5	<1		<1	<2	0.08	<1	6.8	
1	1.5	D	8.5	<0.5	33	178	<0.5	0.9	91	98	43	197	<5	<1		<1	<2		<1		
3	0.5	D	9.4	<0.5	13	87	<0.5		26	58	68	68	<5	<1		<1	<2	0.14	<1	5.2	
4	0.4	D	4.1	<0.5	5	9	<0.5	1.1	32	43	31	30	<5	<1		<1	<2	0.11	<1	6.4	
5	0.25	D	9.6	<0.5	28	69	<0.5	2.3	28	64	41	90	<5	<1	<0.1	<1	<2	0.07	<1	6.3	
7	0.35	D			4.71	9,391	<0.5	<0.5	314	1,699	86	6,693	25	<1		<1	<2		1.8	6	
7	0.55	D	14.9	<0.5	31	62	0.6	<0.5	33	121	41	690	<5	<1		<1	<2	0.16	<1	6.6	
8	0.3	D	3.6	<0.5	11	34	0.6	0.8	31	53	26	61	<5	<1		<1	<2	0.22	<1	5.3	
11	0.9	D	8.2	<0.5	27	249	0.5	<0.5	104	77	33	232	15	<1	<0.1	<1	<2	0.21	<1	6.1	
12	0.25	D	4.9	<0.5	32		<0.5	<0.5	71	642	22	174	<5	<1		<1	<2	0.1	<1	5.9	
12	1.3	D	5.4	<0.5	28	123	<0.5	<0.5	148	44	31	190	<5	<1		<1	<2	0.11	<1	5.6	
16	0.25	D	5.7	<0.5	22		0.5	1.1	61	93	189	357	<5	<1		<1	<2	0.18	<1	5.7	
17	0.7	D	1.5	<0.5	11	78	<0.5	<0.5	43	10	14	44	<5	<1	<0.1	<1	<2	0.07	<1	6.5	
18	1.2	D	<0.5	<0.5	10	8	<0.5	<0.5	30	5	13	28	<5	<1	<0.1	<1	<2	0.11	<1	6.2	
20	0.6	D	2.8	1.6		74	<0.5	<0.5	174	1,674	98	65	<5	<1	<0.1	<1	<2		<1	7.8	
20	1.4	D	0.8	0.5	26	33	<0.5	<0.5	175	32	15	235	<5	<1		<1	<2	0.22	<1	6.4	
21	0.05	D	1.8	<0.5	117		<0.5	<0.5	58	5,151	25	560	<5	<1		<1	<2	0.1	<1	7.2	
22	0.2	D	12	<0.5	43	68	0.5	<0.5	41	83	55	162	<5	<1		<1	<2	0.07	<1	6.6	
23	0.45	D	4.4	<0.5	40	19	<0.5	0.6	25	30	32	31	<5	<1		<1	<2	0.09	<1	6.2	
23	0.75	D	9.6	<0.5	28	446	<0.5	<0.5	64	58	26	565	10	<1		<1	<2	0.14	6.7	7.5	
23	1.35	D	3.2	0.9	28	16	<0.5	<0.5	145	26	34	65	<5	<1		<1	<2	0.12	<1	6.5	

SUMMARY OF CHEMICAL CONTAMINATION RESULTS	SOIL
Project Title: RO BISHOPTON - BURNING GROUNDS	Report No: ESG2099/95

Sample details			Ba	Al	Sb	Sn	Fe	ISO	MO	TEX	S	Asb						
Point n°	Depth	Type	mg/kg										D or ND					
1	0.3	D	189	11,234	1	46	18,423	<0.05	<100	<100	<20	ND						
1	1.5	D	171	9,767	1.3	65	27,300	<0.05	100	1,300	1,317	ND						
3	0.5	D	229	5,937	1.8	<3	9,407	<0.05	<100	200	110	ND						
4	0.4	D	369	4,019	1.9	16	10,095	<0.05	<100	<100	<20	ND						
5	0.25	D	352	8,204	<0.5	28	8,714	<0.05	<100	300	<20	ND						
7	0.35	D	371	14,844	12.3	371	99,927	<0.05	<100	1,600	60	ND						
7	0.55	D	7,839	7,839	1.3	45	11,013	<0.05	<100	200	<20	ND						
8	0.3	D	4,192	4,192	<0.5	36	9,356	0.65	200	100	<20	ND						
11	0.9	D	220	15,488	4	92	27,166	<0.05	100	1,400	<20	IS						
12	0.25	D	78,208	78,208	<0.5	75	20,667	<0.05	<100	<100	<20	ND						
12	1.3	D	350	18,183	5.4	35	40,648	<0.05	<100	300	<20	ND						
16	0.25	D	265	8,915	1.1	51	11,791	<0.05	800	<100	<20	ND						
17	0.7	D	48	4,443	<0.5	58	14,217	<0.05	200	400	<20	IS						
18	1.2	D	31	5,418	<0.5	<3	10,628	<0.05	1,200	<100	<20	ND						
20	0.6	D	11,950	11,950	5.4	132	54,997	<0.05	<100	900	<20	ND						
20	1.4	D	26,306	26,306	1	59	50,313	<0.05	100	900	<20	ND						
21	0.05	D	10,157	10,157	8	3,914	18,800	0.43	<100	800	<20	ND						
22	0.2	D	120	12,249	<0.5	53	8,797	<0.05	<100	3,300	<20	ND						
23	0.45	D	147	3,838	0.9	<3	6,546	<0.05	1,200	<100	<20	ND						
23	0.75	D	399	10,737	1.1	38	19,464	<0.05	<100	1,500	<20	ND						
23	1.35	D	84	8,854	1.7	<3	50,625	<0.05	200	<100	137	ND						

SUMMARY OF CHEMICAL CONTAMINATION RESULTS	WATER
Project Title: RO BISHOPTON - BURNING GROUNDS	Report No: ESG2099/95

Sample details	ICRCL Group A						ICRCL Group B				Others						
	As	Cd	Cr	Pb	Hg	Se	B(w/s)	Cu	Ni	Zn	PAH(GC)	PHE	CN(T)	S	SO ₄	SD	pH
	mg/l														g/l	mg/l	unit
Culvert by Burning Ground H	<0.005	<0.001	<0.02	<0.02	<0.0002	0.0011	0.08	<0.02	<0.02	0.07	<10	0.05	<0.05	7.8	11.5	<0.05	6.7
Stream by Burning Ground G	<0.005	<0.001	<0.02	<0.02	<0.0002	<0.001	0.2	<0.02	<0.02	0.15	0.035	0.05	<0.05	13.8	27.4	<0.05	7
Trial Pit 21	<0.005	<0.001	<0.02	<0.02	0.0006	<0.001	0.08	0.03	<0.02	<0.01	0.025	<0.05	<0.05	8.1	3.2	<0.05	7.5

SUMMARY OF CHEMICAL CONTAMINATION RESULTS													WATER		
Project Title: RO BISHOPTON - BURNING GROUNDS													Report No: ESG2099/95		

Sample details	Ba	Al	Sb	Sn	Fe	Chl Sol	MO	TEX	Ca	Mg	K	Na	Nitrate	Amm.Nit.			
	mg/l																
Culvert by Burning Ground H	0.16	0.07	<0.001	0.3	0.06	<0.001	2.58	22	39.7	5.48	2.5	13.74	0.9	0.06			
Stream by Burning Ground G	0.23	0.08	<0.001	0.22	0.22	<0.001	1.1	22	53.7	10.64	3.81	22.09	0.1	1.5			
Trial Pit 21	0.12	0.37	<0.001	0.28	0.75	<0.001	1.06	61	12.3	33.56	14.03	10.88	0.9	0.24			