

Appendix F – Summary of laboratory results

TABLE LR1:
SUMMARY OF LABORATORY RESULTS FOR SOIL SAMPLES ASSESSING CONTAMINATION
Heavy Metals, TRH, BTEX, PAH, cyanide, ammonia and asbestos

(All results in mg/kg, unless otherwise stated)

Sample ID	THRESHOLD CONCENTRATIONS						BH12	BH17	BH17	BH21	BH16	BH16	BH22	BH23	BH24	DUP 1	BH25	BH26	BH26	BH26	DUP4	TRP3
	Batch	HIL D (Commercial / Industrial) ¹	HIL-C (Recreational / Public Open Space) ¹	HSL-D ² (Direct Contact)	Intrusive maintenance worker (Direct Contact) ²	Intrusive maintenance worker (Vapour Intrusion) ³ 0-<2m ³	Management Limits for TPH Fractions ¹	615353	618151	618151	618151	618151	618151	618151	618151	618151	618151	618151	618151	618151	618151	618151
Date of Sampling							29-Aug-18	05-Sep-18	05-Sep-18	10-Sep-18	05-Sep-18	06-Sep-18	05-Oct-18	05-Oct-18	09-Oct-18	09-Oct-18	11-Oct-18	12-Oct-18	12-Oct-18	12-Oct-18	12-Oct-18	12-Oct-18
Soil Layer Description (Texture)							-	Fill	Fill	Possible Alluvium	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Fill
Depth (m)							7.65-7.95	3.5	1.5	1.3	1.0	3.0-3.5	1.00	1.50-1.95	4.50-4.95	4.50-4.95	1.50-1.95	0.0-0.1	0.5-1.0	2.5-3.0	2.5-3.0	2.5-3.0
HEAVY METALS (TOTAL)																						
Arsenic	3,000	300	-	-	-	-	7.5	3.9	3.2	5.3	< 2	< 2	2.9	-	4	< 2	< 2	4.8	3.2	< 2	< 2	< 5
Cadmium	900	90	-	-	-	-	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	-	< 0.4	< 0.4	< 0.4	0.4	< 0.4	< 0.4	< 0.4	< 1
Chromium	3,600 ^c	300	-	-	-	-	< 5	52	14	34	550	< 5	8.8	-	22	19	10	28	9.3	9.9	12.0	6.0
Copper	240,000	17,000	-	-	-	-	< 5	28	25	24	26	< 5	21	-	60.0	33.0	11.0	78.0	53.0	34.0	42	36
Lead	1,500	600	-	-	-	-	< 5	24	17	84	11	< 5	18	-	14	10	5	100	66	6.8	12	12
Mercury	730	80	-	-	-	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	< 0.1	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	6,000	1,200	-	-	-	-	< 5	14	8.6	< 5	11	< 5	5.3	-	15	9.7	5.1	12	12	< 5	< 5	< 2
Zinc	400,000	30,000	-	-	-	-	< 5	220	85	82	99	< 5	55	-	57	38	16	360	120	17	24	14
TOTAL PETROLEUM HYDROCARBONS																						
F1 (C6-C10)	-	-	-	-	-	700	< 20	-	-	< 20	-	< 20	< 20	-	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 10
F1 (C6-C10 less BTEX)	-	-	26,000	82,000	NL	-	< 20	-	-	< 20	-	< 20	< 20	-	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 10
F2 (>C10-C16)	-	-	-	-	-	1,000	< 50	-	-	< 50	-	< 50	< 50	-	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
F2 (>C10-C16 less naphthalene)	-	-	20,000	62,000	NL	-	< 50	-	-	< 50	-	< 50	< 50	-	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
F3 (>C16-C34)	-	-	27,000	85,000	NL	3,500	< 100	-	-	< 100	-	< 100	< 100	-	< 100	< 100	200	120	< 100	< 100	< 100	< 100
F4 (>C34-C40)	-	-	38,000	120,000	NL	10,000	< 100	-	-	< 100	-	< 100	< 100	-	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
BTEX																						
Benzene	-	-	430	1,100	NL	-	< 0.1	-	-	< 0.1	-	< 0.1	< 0.1	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2
Toluene	-	-	99,000	120,000	NL	-	< 0.1	-	-	< 0.1	-	< 0.1	0.2	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	-	-	27,000	85,000	NL	-	< 0.1	-	-	< 0.1	-	< 0.1	< 0.1	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5
Total Xylene	-	-	81,000	130,000	NL	-	< 0.3	-	-	< 0.3	-	< 0.3	< 0.3	-	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.5
POLYCYCLIC AROMATIC HYDROCARBONS																						
Naphthalene	-	-	11,000	29,000	NL	-	< 0.5	-	-	< 0.5	-	2.7	< 0.5	-	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1
Carcinogenic PAHs (as BaP TEQ)	40	3	-	-	-	-	0.6	-	-	0.6	-	0.7	0.6	-	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Benzo(a)pyrene	-	-	-	-	-	-	< 0.5	-	-	< 0.5	-	< 0.5	< 0.5	-	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH	4,000	300	-	-	-	-	< 0.5	-	-	< 0.5	-	8.0	0.6	-	< 0.5	< 0.5	< 0.5	1.2	< 0.5	< 0.5	< 0.5	< 0.5
OTHER																						
Ammonia (as N)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (total)	1,500	240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ASBESTOS	ND	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-

NOTES:

Bold Concentration exceeds the Health Investigation Levels (HIL) or Health Screen Level (HSL)

Bold Concentration exceeds Management Limits

- 1 Based on NEPM (1999) (amendment 2013).
 - 2 CRC Care Technical Report No. 10 (Soil HSLs for direct contact)
 - 3 CRC Care Technical Report No. 10 (Soil HSLs for Vapour Intrusion)
 - a Soil HSLs for vapour intrusion (for depth range between 0m to <1m, soil type: SAND)
 - b Soil HSLs for vapour intrusion (for depth range between 0m to <2m, soil type: SAND)
 - c Based on Chromium 6
 - No result or guideline
- ND Not detected
NL Not limiting
LOR Limit of reporting

TABLE LR2:
SUMMARY OF LABORATORY RESULTS FOR SOIL SAMPLES FOR WASTE CLASSIFICATION
Heavy Metals, TRH, BTEX, PAH, cyanide, ammonia and asbestos
(All results in mg/kg, unless otherwise stated)

Sample ID	THRESHOLD CONCENTRATIONS ¹				BH12	BH17	BH17	BH21	BH16	BH16	BH22	BH23	BH24	DUP 1	BH25	BH26	BH26	DUP4	TRP3
	General Solid Waste (CT1)	General Solid Waste (TCLP1 / SCC1)	Restricted Solid Waste (CT2)	Restricted Solid Waste (TCLP2 / SCC2)															
Batch					615353	618151	618151	618151	618151 / 623417	618151	622247	622247	622923	622923	622923	622923	622923	622923	ES1830804
Date of Sampling					29-Aug-18	05-Sep-18	05-Sep-18	10-Sep-18	05-Sep-18	06-Sep-18	05-Oct-18	05-Oct-18	09-Oct-18	09-Oct-18	11-Oct-18	12-Oct-18	12-Oct-18	12-Oct-18	12-Oct-18
Soil Layer Description (Texture)					-	Fill	Fill	Alluvium	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Fill
Depth (m)					7.65-7.95	3.5	1.5	1.3	1.0	3.0-3.5	1.00	1.50-1.95	4.50-4.95	4.50-4.95	1.50-1.95	0.0-0.1	0.5-1.0	2.5-3.0	2.5-3.0
HEAVY METALS (TOTAL)																			
Arsenic	100 ³		400 ⁵		7.5	3.9	3.2	5.3	<2	<2	2.9	-	4	<2	<2	4.8	3.2	<2	<2
Cadmium	20 ³		80 ⁵		<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	-	<0.4	<0.4	<0.4	0.4	<0.4	<0.4	<0.4
Chromium ⁶	100 ³	1900 ²	400 ⁵	7000 ⁴	<5	52	14	34	550	<5	8.8	-	22	19	10	28	9.3	9.9	12
Copper	N/A		N/A		<5	28	25	24	26	<5	21	-	60	33	11	78	53	34	42
Lead	100 ³	1500 ²	400 ⁵	8000 ⁴	<5	24	17	84	11	<5	18	-	14	10	5	100	66	6.8	12
Mercury	4 ³		16 ⁵		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1
Nickel	40				<5	14	8.6	<5	11	<5	5.3	-	15	9.7	5.1	12	12	<5	<2
Zinc	N/A		N/A		<5	220	85	82	99	<5	55	-	57	38	16	360	120	17	24
HEAVY METALS (TOTAL) (TCLP mg/L)																			
Chromium		5 ⁷		20 ⁸					0.02										
Lead		5 ⁷		20 ⁸															
TOTAL RECOVERABLE HYDROCARBONS																			
TRH C8-C9	650 ²		2,600 ⁴	2,600 ⁴	<20	-	-	<20	-	<20	<20	-	<20	<20	<20	<20	<20	<20	<20
TRH C10-C14					<20	-	-	<20	-	<20	22	-	<20	<20	22	<20	<20	<20	<20
TRH C15-C28					<50	-	-	<50	-	<50	71	-	<50	<50	150	58	<50	<50	<50
TRH C29-C36					<50	-	-	<50	-	<50	<50	-	<50	<50	83	76	<50	<50	<50
TRH C10-36 (Total)	10,000 ²		40,000 ⁴	40,000 ⁴	<50	-	-	<50	-	<50	93	-	<50	<50	256	134	<50	<50	<50
BTEX																			
Benzene	10 ³		40 ⁵		<0.1	-	-	<0.1	-	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	288 ³		1,152 ⁵		<0.1	-	-	<0.1	-	<0.1	0.2	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	600 ³		2,400 ⁵		<0.1	-	-	<0.1	-	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylene	1,000 ³		4,000 ⁵		<0.3	-	-	<0.3	-	<0.3	<0.3	-	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
POLYCYCLIC AROMATIC HYDROCARBONS																			
Benzo(a)pyrene	0.8 ³	10 ²	3.2 ⁵	23 ⁴	<0.5	-	-	<0.5	-	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total PAH	200 ³		800 ⁵		<0.5	-	-	<0.5	-	8.0	0.6	-	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5
PAH (TCLP mg/L)																			
Benzo(a)pyrene		0.04 ⁷		0.16 ⁸															
Total PAH																			
OTHER																			
Ammonia (as N)					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (total)	320 ³		1280 ⁵		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ASBESTOS																			
					-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-

NOTES:

- Orange** Concentration exceeded the respective General Solid Waste Criteria
- Red** Concentration exceeded the respective Restricted Solid Waste Criteria
- Green** Contains asbestos

1 Based on NSW EPA (2014) Waste Classification Guidelines - Part 1 Classifying Waste
2 Specific Contaminant Concentration (SCC1) for General Solid Waste
3 Contamination Threshold Value (CT1) for General Solid Waste
4 Specific Contaminant Concentration (SCC2) for Restricted Solid Waste
5 Contamination Threshold Value (CT2) for Restricted Solid Waste
6 Based on Chromium 6
7 Leachable Concentration (TCLP1) for General Solid Waste
8 Leachable Concentration (TCLP2) for Restricted Solid Waste
ND Not Detected
See original laboratory reports for detection limits

TABLE LR3:

SUMMARY OF LABORATORY RESULTS FOR BACKGROUND WATER AND DRILLING MUD SAMPLES

Sample ID			BWS01	DW01	DS01
Laboratory Batch			612790	618151	618151
Sample Date	Eurofins LOR		13/08/2018	7/09/2018	7/09/2018
Analyte	mg/L	mg/kg	mg/L	mg/L	mg/kg
Moisture %	-	-	-	-	10
pH (at 25Å°C)	-	-	8	7.6	-
BTEX					
Benzene	0.001	0.1	< 0.001	< 0.001	< 0.1
Ethylbenzene	0.001	0.1	< 0.001	< 0.001	< 0.1
Toluene	0.001	0.1	< 0.001	< 0.001	< 0.1
Xylenes - Total	0.003	0.3	< 0.003	< 0.003	< 0.3
m&p-Xylenes	0.002	0.2	< 0.002	< 0.002	< 0.2
o-Xylene	0.001	0.1	< 0.001	< 0.001	< 0.1
Heavy Metals					
Arsenic	0.001	2	0.002	0.002	2.5
Cadmium	0.0002	0.4	< 0.0002	< 0.0002	< 0.4
Chromium	0.001	5	0.005	0.005	410
Copper	0.001	5	0.016	0.51	21
Lead	0.001	5	0.003	0.001	14
Mercury	0.0001	0.1	< 0.0001	< 0.0001	< 0.1
Nickel	0.001	5	0.005	0.008	15
Zinc	0.005	5	0.024	0.076	88
Organochlorine Pesticides					
4,4'-DDD	0.0001	-	< 0.0001	-	-
4,4'-DDE	0.0001	-	< 0.0001	-	-
4,4'-DDT	0.0001	-	< 0.0001	-	-
a-BHC	0.0001	-	< 0.0001	-	-
Aldrin	0.0001	-	< 0.0001	-	-
Aldrin and Dieldrin (Total)*	0.0001	-	< 0.0001	-	-
b-BHC	0.0001	-	< 0.0001	-	-
Chlordanes - Total	0.001	-	< 0.001	-	-
d-BHC	0.0001	-	< 0.0001	-	-
DDT + DDE + DDD (Total)*	0.0001	-	< 0.0001	-	-
Dieldrin	0.0001	-	< 0.0001	-	-
Endosulfan I	0.0001	-	< 0.0001	-	-
Endosulfan II	0.0001	-	< 0.0001	-	-
Endosulfan sulphate	0.0001	-	< 0.0001	-	-
Endrin	0.0001	-	< 0.0001	-	-
Endrin aldehyde	0.0001	-	< 0.0001	-	-
Endrin ketone	0.0001	-	< 0.0001	-	-
g-BHC (Lindane)	0.0001	-	< 0.0001	-	-
Heptachlor	0.0001	-	< 0.0001	-	-
Heptachlor epoxide	0.0001	-	< 0.0001	-	-
Hexachlorobenzene	0.0001	-	< 0.0001	-	-
Methoxychlor	0.0001	-	< 0.0001	-	-
Toxaphene	0.01	-	< 0.01	-	-
Vic EPA IWRG 621 OCP (Total)*	0.0001	-	< 0.001	-	-
Vic EPA IWRG 621 Other OCP (Total)*	0.0001	-	< 0.001	-	-
Organophosphorus Pesticides					
Azinphos-methyl	0.002	-	< 0.002	-	-
Bolstar	0.002	-	< 0.002	-	-
Chlorfenvinphos	0.002	-	< 0.002	-	-
Chlorpyrifos	0.02	-	< 0.02	-	-
Chlorpyrifos-methyl	0.002	-	< 0.002	-	-
Coumaphos	0.02	-	< 0.02	-	-
Demeton-O	0.002	-	< 0.002	-	-
Demeton-S	0.02	-	< 0.02	-	-
Diazinon	0.002	-	< 0.002	-	-
Dichlorvos	0.002	-	< 0.002	-	-
Dimethoate	0.002	-	< 0.002	-	-
Disulfoton	0.002	-	< 0.002	-	-
EPN	0.002	-	< 0.002	-	-
Ethion	0.002	-	< 0.002	-	-
Ethoprop	0.002	-	< 0.002	-	-
Ethyl parathion	0.002	-	< 0.002	-	-

Sample ID			BWS01	DW01	DS01
Laboratory Batch			612790	618151	618151
Sample Date	Eurofins LOR		13/08/2018	7/09/2018	7/09/2018
Analyte	mg/L	mg/kg	mg/L	mg/L	mg/kg
Volatile Organics					
1.1.1.2-Tetrachloroethane	0.001	-	< 0.001	-	-
1.1.1-1-Trichloroethane	0.001	-	< 0.001	-	-
1.1.2.2-Tetrachloroethane	0.001	-	< 0.001	-	-
1.1.2-Trichloroethane	0.001	-	< 0.001	-	-
1.1-Dichloroethane	0.001	-	< 0.001	-	-
1.1-Dichloroethene	0.001	-	< 0.001	-	-
1.2.3-Trichloropropane	0.001	-	< 0.001	-	-
1.2.4-Trimethylbenzene	0.001	-	< 0.001	-	-
1.2-Dibromoethane	0.001	-	< 0.001	-	-
1.2-Dichlorobenzene	0.001	-	< 0.001	-	-
1.2-Dichloroethane	0.001	-	< 0.001	-	-
1.2-Dichloropropane	0.001	-	< 0.001	-	-
1.3.5-Trimethylbenzene	0.001	-	< 0.001	-	-
1.3-Dichlorobenzene	0.001	-	< 0.001	-	-
1.3-Dichloropropane	0.001	-	< 0.001	-	-
1.4-Dichlorobenzene	0.001	-	< 0.001	-	-
2-Butanone (MEK)	0.001	-	< 0.001	-	-
2-Propanone (Acetone)	0.001	-	< 0.001	-	-
4-Chlorotoluene	0.001	-	< 0.001	-	-
4-Methyl-2-pentanone (MIBK)	0.001	-	< 0.001	-	-
Allyl chloride	0.001	-	< 0.001	-	-
Benzene	0.001	-	< 0.001	-	-
Bromobenzene	0.001	-	< 0.001	-	-
Bromochloromethane	0.001	-	< 0.001	-	-
Bromodichloromethane	0.001	-	0.011	-	-
Bromoform	0.001	-	< 0.001	-	-
Bromomethane	0.001	-	< 0.001	-	-
Carbon disulfide	0.001	-	< 0.001	-	-
Carbon Tetrachloride	0.001	-	< 0.001	-	-
Chlorobenzene	0.001	-	< 0.001	-	-
Chloroethane	0.001	-	< 0.001	-	-
Chloroform	0.005	-	0.017	-	-
Chloromethane	0.001	-	< 0.001	-	-
cis-1.2-Dichloroethene	0.001	-	< 0.001	-	-
cis-1.3-Dichloropropene	0.001	-	< 0.001	-	-
Dibromochloromethane	0.001	-	0.005	-	-
Dibromomethane	0.001	-	< 0.001	-	-
Dichlorodifluoromethane	0.001	-	< 0.001	-	-
Ethylbenzene	0.001	-	< 0.001	-	-
Iodomethane	0.001	-	< 0.001	-	-
Isopropyl benzene (Cumene)	0.001	-	< 0.001	-	-
m&p-Xylenes	0.002	-	< 0.002	-	-
Methylene Chloride	0.001	-	< 0.001	-	-
o-Xylene	0.001	-	< 0.001	-	-
Styrene	0.001	-	< 0.001	-	-
Tetrachloroethene	0.001	-	< 0.001	-	-
Toluene	0.001	-	< 0.001	-	-
Total MAH*	0.001	-	< 0.003	-	-
trans-1.2-Dichloroethene	0.001	-	< 0.001	-	-
trans-1.3-Dichloropropene	0.001	-	< 0.001	-	-
Trichloroethene	0.001	-	< 0.001	-	-
Trichlorofluoromethane	0.001	-	< 0.001	-	-
Vic EPA IWRG 621 CHC (Total)*	0.001	-	0.017	-	-
Vic EPA IWRG 621 Other CHC (Total)*	0.001	-	0.017	-	-
Vinyl chloride	0.001	-	< 0.001	-	-
Xylenes - Total	0.003	-	< 0.003	-	-

* Analysed to trace levels, LOR < 0.0001mg/l

Table QAQC1: Relative Percentage Difference for Soil Samples and Summary of Filed Control Samples

Batch			622923			622923			622923 / ES1830894			616384		622923
Sample No.	Laboratory Reporting Limits (mg/kg)		Primary Sample Conc. (mg/kg)	Intra-laboratory duplicate Sample Conc. (mg/Kg)	RPD (%)	Primary Sample Conc. (mg/kg)	Intra-laboratory duplicate Sample Conc. (mg/Kg)	RPD (%)	Primary Sample Conc. (mg/kg)	Intra-laboratory triplicate Sample Conc. (mg/Kg)	RPD (%)	4-Sep-18	4-Sep-18	12-Aug-18
	Eurofins	ALS	BH24	DUP 1		BH26	DUP4		BH26	TRP3		Trip Spike	Trip Blank	Wash Blank ^A
Depth (m)			4.50-4.95	4.50-4.95		2.5-3.0	2.5-3.0		2.5-3.0	2.5-3.0		-	-	-
HEAVY METALS														
Arsenic	2	5	4	2.0	67	< 2	< 2	ND	< 2	< 5	ND	-	-	< 0.001
Cadmium	0.4	1	< 0.4	< 0.4	ND	< 0.4	< 0.4	ND	< 0.4	< 1	ND	-	-	< 0.0002
Chromium	5	2	22	19	15	9.9	12	19	9.9	6	49	-	-	< 0.001
Copper	5	5	60	33	58	34	42	21	34	36	6	-	-	< 0.001
Lead	5	5	14	10	33	6.8	12	55	6.8	12	55	-	-	< 0.001
Mercury	0.1	0.1	< 0.1	< 0.1	ND	< 0.1	< 0.1	ND	< 0.1	< 0.1	ND	-	-	< 0.0001
Nickel	5	2	15	9.7	43	< 5	< 5	ND	< 5	< 2	ND	-	-	< 0.001
Zinc	5	5	57	38	40	17	24	34	17	14	19	-	-	< 0.005
TOTAL RECOVERABLE HYDROCARBONS														
TRH C6-C9	20	10	< 20	< 20	ND	< 20	< 20	ND	< 20	< 10	ND	-	< 20	< 0.02
TRH C10-C14	20	10	< 20	< 20	ND	< 20	< 20	ND	< 20	< 50	ND	-	-	< 0.05
TRH C15-C28	50	50	< 50	< 50	ND	< 50	< 50	ND	< 50	< 100	ND	-	-	< 0.1
TRH C29-C36	50	50	< 50	< 50	ND	< 50	< 50	ND	< 50	< 100	ND	-	-	< 0.1
TRH C10-36 (Total)	100	100	< 50	< 50	ND	< 50	< 50	ND	< 50	< 50	ND	-	-	< 0.1
C6 - C10 Fraction														
C6 - C10 Fraction	20	10	< 20	< 20	ND	< 20	< 20	ND	< 20	< 10	ND	-	< 20	< 0.02
C6 - C10 Fraction minus BTEX (F1)	20	10	< 20	< 20	ND	< 20	< 20	ND	< 20	< 10	ND	-	< 20	< 0.02
>C10 - C16 Fraction	50	50	< 50	< 50	ND	< 50	< 50	ND	< 50	< 50	ND	-	-	< 0.05
>C10 - C16 Fraction minus Naphthalene (F2)	50	50	< 50	< 50	ND	< 50	< 50	ND	< 50	< 50	ND	-	-	< 0.05
>C16 - C34 Fraction	100	100	< 100	< 100	ND	< 100	< 100	ND	< 100	< 100	ND	-	-	< 0.1
>C34 - C40 Fraction	100	100	< 100	< 100	ND	< 100	< 100	ND	< 100	< 100	ND	-	-	< 0.1
BTEX														
Benzene	0.1	0.2	< 0.1	< 0.1	ND	< 0.1	< 0.1	ND	< 0.1	< 0.2	ND	97*	< 0.1	< 0.001
Toluene	0.1	0.5	< 0.1	< 0.1	ND	< 0.1	< 0.1	ND	< 0.1	< 0.5	ND	98*	< 0.1	< 0.001
Ethylbenzene	0.1	0.5	< 0.1	< 0.1	ND	< 0.1	< 0.1	ND	< 0.1	< 0.5	ND	92*	< 0.1	< 0.001
Total Xylene	0.3	0.5	< 0.3	< 0.3	ND	< 0.3	< 0.3	ND	< 0.3	< 0.5	ND	97*	< 0.3	< 0.003
POLYCYCLIC AROMATIC HYDROCARBONS														
Naphthalene	0.5	0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	ND	< 0.5	< 1	ND	-	< 0.5	< 0.001
Carcenogenic PAHs (as BaP TEQ)	0.5	0.5	0.6	0.6	0	0.6	0.6	0	0.6	0.6	0	-	-	-
Benzo(a)pyrene	0.5	0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	ND	< 0.5	< 0.5	ND	-	-	< 0.001
Total PAH	0.5	0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	ND	< 0.5	< 0.5	ND	-	-	< 0.001
OTHER														
Cyanide	5		-	-	NA	-	-	NA	-	-	NA	-	-	-
Ammonia	5	20	-	-	NA	-	-	NA	-	-	NA	-	-	-

Notes:

Bold

RPD exceeds control limit of 30% for soil if:

- Result < 10 times LOR then No Limit
- Result > 10 times LOR then control limit of 30%

RPD Relative Percentage Difference

NA Not Applicable

ND Not Detected

NC Contaminant is not detected in primary sample but is detected in duplicate sample, or vice versa

LOR Limit of Reporting

- No result or guideline

* Results reported in percentage recovery

^A Result reported in mg/L