

Client: Rodgers Leask Environmental	Job No.:					210203-41	210203-41	181004-38
	Sample ID.:				Residential Soil Re-use Values (Table 2.1)			18458065
	Client Sample Ref.:					P22-1	P22-2	4C-C5
	Sample Type:					SOLID	SOLID	
	Top Depth (m):					0.60-0.60	1.30-1.30	0.60-0.60
	Bottom Depth (m):							
	Date Sampled:					2/1/2021	2/1/2021	03/10/2018
	Asbestos Lab:							
Determinand	Accred.	SOP	Units	LOD				
ACM Type	U	2192		N/A				
Asbestos Identification	U	2192		N/A		Detected	-	-
Asbestos by Gravimetry	U	2192	%	0.001				
Total Asbestos	U	2192	%	0.001		<0.001	-	-
Moisture	N	2030	%	0.02		8.30	13.00	7.70
Soil Colour	N	2040		N/A		Dark Brown	Dark Brown	Dark Brown
Other Material	N	2040		N/A		Stones	Stones	Stones
Soil Texture	N	2040		N/A				Loamy Sand
pH at 20C	M	2010	pH units	4		10.80	10.70	10.70
Cyanide (Total)	M	2300	mg/kg	0.5	2.02	<1	<1	<1
Ammoniacal Nitrogen	M	2425	mg/kg	0.5	154	<12	<12	<12
Iron (Total)	N	2430	mg/kg	100	3.05E+05	114000.00	94700.00	284000.00
Arsenic	M	2450	mg/kg	1	2533	6.93	10.50	9.30
Cadmium	M	2450	mg/kg	0.1	73	0.71	0.88	<0.02
Chromium	M	2450	mg/kg	1	9431	316.00	103.00	<0.9
Manganese	M	2450	mg/kg	5	3.33E+04	26200.00	9520.00	6880.00
Copper	M	2450	mg/kg	0.5	451	16.30	16.50	60.40
Mercury	M	2450	mg/kg	0.1	132	<1	<1	0.14
Nickel	M	2450	mg/kg	0.5	1.15E+04	14.60	18.20	22.50
Lead	M	2450	mg/kg	0.5	1.57E+04	57.50	61.90	22.30
Selenium	M	2450	mg/kg	0.2	702	16.90	<10	1.92
Vanadium	U	2450	mg/kg	5	1606	341.00	162.00	246.00
Zinc	M	2450	mg/kg	0.5	1.38E+05	174.00	193.00	108.00
Aliphatic VPH >C5-C6	M	2680	mg/kg	1	73	<0.01	<0.01	<0.01
Aliphatic VPH >C6-C8	N	2680	mg/kg	1	359	<0.0109	<0.01	<0.01

Aliphatic VPH >C8-C10	M	2680	mg/kg	1	2841	<0.01	<0.01	<0.01
Aliphatic EPH >C10-C12	M	2680	mg/kg	1	2.25E+04	<1	<1	<0.01
Aliphatic EPH >C12-C16	M	2680	mg/kg	1	4.50E+05	<9.98	<1	<0.1
Aliphatic EPH >C16-C21	M	2680	mg/kg	1	5.66E+07	<41.2	<4.63	2.62
Aliphatic EPH >C21-C35	M	2680	mg/kg	1	5.66E+07	<79.6	<28.4	28.30
Aliphatic EPH >C35-C44	N	2680	mg/kg	1	5.66E+07	<32.7	<9.78	2.59
Total Aliphatic Hydrocarbons	M	2680	mg/kg	5		<164	<43.6	33.60
Aromatic VPH >C5-C7	M	2680	mg/kg	1	8.51	<0.01	<0.01	<0.01
Aromatic VPH >C7-C8	M	2680	mg/kg	1	177	<0.01	<0.01	<0.01
Aromatic VPH >C8-C10	M	2680	mg/kg	1	144	<0.01	<0.01	<0.01
Aromatic EPH >C10-C12	M	2680	mg/kg	1	227	<1	<1	<0.01
Aromatic EPH >C12-C16	M	2680	mg/kg	1	451	<1.97	<1	0.32
Aromatic EPH >C16-C21	N	2680	mg/kg	1	1424	<6.66	<5.01	1.55
Aromatic EPH >C21-C35	M	2680	mg/kg	1	1.13E+04	<24.8	<17.1	11.70
Aromatic EPH >C35-C44	N	2680	mg/kg	1	1.13E+04	<1.33	<1.17	4.44
Total Aromatic Hydrocarbons	M	2680	mg/kg	5		<35.1	<24.4	18.00
Total Petroleum Hydrocarbons	N	2680	mg/kg	10		<199	<67.9	51.60
Organic Matter	M	2625	%	0.4		3.40	4.53	1.19
Naphthalene	M	2800	mg/kg	0.1	27	0.38	0.26	0.02
Acenaphthylene	N	2800	mg/kg	0.1	16.7	0.18	0.11	<0.012
Acenaphthene	M	2800	mg/kg	0.1	30	0.05	0.02	<0.008
Fluorene	M	2800	mg/kg	0.1	27	0.38	0.10	<0.01
Phenanthrene	M	2800	mg/kg	0.1	27	2.35	0.77	0.05
Anthracene	M	2800	mg/kg	0.1	34	0.50	0.24	<0.016
Fluoranthene	M	2800	mg/kg	0.1	6.64	2.69	1.47	0.07

Pyrene	M	2800	mg/kg	0.1	76	1.90	1.05	0.06
Benzo[a]anthracene	M	2800	mg/kg	0.1	607	1.08	0.62	0.04
Chrysene	M	2800	mg/kg	0.1	621	1.10	0.59	0.05
Benzo[b]fluoranthene	M	2800	mg/kg	0.1	3.42	1.43	0.82	0.07
Benzo[k]fluoranthene	M	2800	mg/kg	0.1	5.05	0.43	0.25	0.03
Benzo[a]pyrene	M	2800	mg/kg	0.1	34	0.89	0.49	0.04
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.1	25	0.62	0.34	0.04
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.1	838	0.15	0.08	<0.023
Benzo[g,h,i]perylene	M	2800	mg/kg	0.1	13	0.58	0.32	0.05
Total Of 16 PAH's	N	2800	mg/kg	2		14.70	7.51	0.52
Resorcinol	M	2920	mg/kg	0.02				
Phenol	M	2920	mg/kg	0.02	3.05	0.01	<0.01	<0.01
Cresols	M	2920	mg/kg	0.02		<0.01	<0.01	0.02
Xylenols	M	2920	mg/kg	0.02		<0.015	<0.015	<0.015
1-Naphthol	N	2920	mg/kg	0.02				
Trimethylphenols	M	2920	mg/kg	0.02				
Total Phenols	M	2920	mg/kg	0.1		<0.035	<0.035	<0.035
Benzene	M	2760	µg/kg	1	3800.00	<180	<180	<90
Toluene	M	2760	µg/kg	1	1.28E+05	<140	<140	<70
Ethylbenzene	M	2760	µg/kg	1	8.00E+04	<80	<80	<40
m & p-Xylene	M	2760	µg/kg	1	74000	<200	<200	<100
o-Xylene	M	2760	µg/kg	1	74000	<200	<200	<100
Methyl Tert-Butyl Ether	M	2760	µg/kg	1		<200	<200	<100

181004-38	181006-57	181006-57	181006-57	181006-57	181020-29	181020-29	181020-29	181020-29
18458072	18476710	18476715	18476744	18476753	18569632	18569636	18569575	18569624
4C-C5	4C-D5	4C-D5	4C-D6	4C-D6	4C-E5	4C-E5	4C-E6	4C-E6
1.20-1.20	0.50-0.50	1.00-1.00	0.50-0.50	1.00-1.00	0.50-0.50	1.00-1.00	0.50-0.50	1.00-1.00
03/10/2018	10/4/2018	10/4/2018	10/4/2018	10/4/2018	18/10/2018	18/10/2018	18/10/2018	18/10/2018
Not Detected	-	Not Detected	Not Detected	-	-	Not Detected	Not Detected	Not Detected
-					-	-	-	-
8.60	9.30	9.40	10.00	8.80	7.70	8.50	10.00	7.50
Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown
Stones	Vegetation	Stones	Vegetation	Stones	Stones	Vegetation	Vegetation	Vegetation
Loamy Sand	Sandy Clay	Sandy Clay	Sandy Clay	Sandy Clay	Sand	Sand	Sandy Loam	Stone/Soil
12.60	10.30	10.70	10.90	10.50	8.57	9.96	10.10	9.86
<1	<1	<1	<1	<1	<1	<1	<1	<1
<12	<12	<12	<12	<12	<12	<12	<12	<12
196000.00	231000.00	315000.00	130000.00	255000.00	159000.00	184000.00	193000.00	387000.00
4.21	11.30	10.90	14.50	6.46	8.80	8.51	<6	6.99
<0.02	1.89	1.16	<0.02	1.26	<0.2	1.68	1.62	<0.2
193.00	104.00	<0.9	30.30	<9	26.00	<9	84.60	<9
59800.00	14600.00	4400.00	7640.00	6880.00	13300.00	11600.00	12300.00	3130.00
165.00	23.60	10.50	18.40	22.20	14.90	17.40	<14	<14
<0.14	<1.4	<0.14	<0.14	<1.4	<1.4	<1.4	<1.4	<1.4
9.69	29.30	11.20	15.00	29.00	22.00	32.80	33.40	13.50
11.60	125.00	26.80	97.20	26.80	42.90	80.10	51.20	<7
26.20	<10	<1	2.46	<10	<10	<10	<10	<10
812.00	336.00	56.10	137.00	126.00	109.00	111.00	221.00	51.10
26.20	455.00	101.00	444.00	89.20	132.00	202.00	159.00	56.10
<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02
<0.01	0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02

<0.01	0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02
<0.01	0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02
0.24	2.12	3.02	1.25	0.60	<0.1	3.12	1.77	0.31
1.99	9.27	16.90	11.10	7.44	8.31	13.60	12.20	4.24
6.71	73.10	128.00	59.70	49.10	78.70	75.40	54.50	23.60
<0.1	29.80	35.30	25.60	17.00	25.10	22.50	22.30	10.00
8.94	114.00	183.00	97.60	74.10	112.00	115.00	90.70	38.20
<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02
<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02
<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02
<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02
<0.1	4.47	1.51	1.51	0.89	2.00	1.10	1.32	<0.1
0.56	11.50	5.82	9.18	5.81	11.70	5.39	12.10	0.25
3.06	74.50	58.20	44.70	32.50	71.40	41.00	50.10	0.37
<0.1	39.30	37.80	27.70	27.90	41.90	23.80	25.30	0.24
3.61	130.00	103.00	83.10	67.10	127.00	71.30	88.80	0.86
12.50	244.00	287.00	181.00	141.00	239.00	186.00	180.00	39.10
0.76	4.02	0.81	5.55	1.22	4.86	3.09	4.29	0.77
<0.009	0.19	0.05	<0.045	0.10	0.26	0.15	0.19	0.03
<0.012	0.08	0.02	<0.06	0.10	0.13	0.07	0.16	0.02
<0.008	0.14	0.01	<0.04	0.01	0.03	0.01	0.03	<0.008
<0.01	0.09	0.01	<0.05	0.03	0.08	0.04	0.08	0.01
0.07	1.10	0.12	0.26	0.26	0.77	0.45	0.64	0.09
<0.016	0.27	0.03	<0.08	0.16	0.22	0.11	0.19	0.03
0.11	2.43	0.21	0.59	0.67	1.33	0.80	1.14	0.19

[illegible]

181020-29	181020-29	181020-29	181004-38	181004-38	181004-38	181004-38	181003-43	181003-43
18569400	18569462	18569525	18458059	18458116	18458183	18458197	18449421	18449426
4C-E7	4C-E7	4C-E7	4C-F4	4C-F4	4C-F4	4C-F4	4C-F5	4C-F5
0.50-0.50	1.00-1.00	1.40-1.40	0.50-0.50	1.00-1.00	1.50-1.50	2.00-2.00	0.50-0.50	1.00-1.00
18/10/2018	18/10/2018	18/10/2018	03/10/2018	03/10/2018	03/10/2018	03/10/2018	02/10/2018	02/10/2018
Not Detected	Not Detected	-	Not Detected	-	Not Detected	-	-	Detected
-	-	-	-	-	-	-	-	<0.001
12.00	9.50	12.00	9.10	11.00	8.90	11.00	3.57	3.69
Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown
Vegetation	Vegetation	Stones	Stones	Stones	Stones	Stones	Stones	Crushed Brick
Stone/Soil	Stone/Soil	Loamy Sand	Loamy Sand	Loamy Sand	Sand	Loamy Sand	Sandy Loam	Sandy Loam
10.10	10.50	10.90	10.90	11.00	11.30	9.90	11.80	11.60
<1	<1	<1	<1	<1	<1	<1	<1	<1
<12	<12	<12	<12	<12	<12	<12	<12	<12
212000.00	315000.00	395000.00	165000.00	418000.00	380000.00	639000.00	302000.00	240000.00
13.70	25.70	20.80	19.00	20.00	25.60	15.70	21.00	8.09
1.01	1.25	<0.2	<0.2	<0.02	<0.2	3.38	<0.2	0.35
<9	<9	<9	212.00	<0.9	70.40	<9	120.00	101.00
10500.00	6280.00	11300.00	9350.00	8190.00	13000.00	11400.00	28500.00	24900.00
23.30	103.00	75.70	19.90	31.50	19.90	<14	29.80	18.90
<1.4	<1.4	<1.4	<1.4	<0.14	<1.4	<1.4	<1.4	<0.14
26.60	31.70	24.50	32.60	13.20	32.20	22.80	23.90	14.40
42.00	98.40	50.70	42.10	30.40	38.10	35.60	45.70	20.70
<10	<10	<10	<10	1.85	<10	<10	16.30	12.70
90.40	143.00	171.00	222.00	143.00	401.00	84.50	562.00	454.00
<190	261.00	<190	120.00	78.30	114.00	57.20	168.00	86.90
<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	0.02	0.02

<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	0.02	0.05
<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	0.07	0.17
2.09	0.98	2.47	5.37	3.92	10.90	0.65	7.79	17.40
5.48	4.31	6.53	23.20	13.40	33.20	6.93	17.20	31.20
20.50	27.90	48.30	127.00	109.00	320.00	57.10	78.80	86.10
5.63	9.40	17.90	54.90	20.70	71.90	7.13	13.70	27.50
33.70	42.60	75.20	211.00	147.00	436.00	71.80	117.00	162.00
<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	0.01	0.03
<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	0.04	0.11
<0.1	<0.1	0.76	6.46	0.95	3.21	<0.1	4.13	3.47
2.05	<0.1	3.10	19.80	4.94	14.40	<0.1	15.60	13.70
15.20	4.51	21.00	99.70	37.80	103.00	8.01	91.50	93.60
3.42	0.61	11.20	91.50	14.10	46.80	1.53	43.70	46.30
20.70	5.13	36.10	218.00	57.80	167.00	9.54	155.00	157.00
54.40	47.70	111.00	428.00	205.00	603.00	81.30	273.00	320.00
3.28	1.63	1.24	12.60	2.76	3.03	1.81	3.57	3.69
0.02	0.05	0.02	0.54	0.05	0.21	0.02	0.10	0.07
<0.012	0.06	<0.012	<0.12	<0.012	0.09	<0.012	0.05	0.13
0.01	0.05	0.03	<0.08	<0.008	0.02	<0.008	0.04	0.04
0.01	0.06	0.02	<0.1	0.01	0.09	<0.01	0.04	0.15
0.12	0.74	0.22	0.84	0.10	0.68	0.04	0.59	1.37
0.02	0.11	0.04	<0.16	0.02	0.18	<0.016	0.13	0.36
0.19	1.16	0.37	1.07	0.15	0.96	0.07	1.44	2.27

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181003-43	181003-43	181003-43	181003-43	181003-43	181003-43	181003-43	181003-43	181003-43
18449431	18449438	18449442	18449453	18449458	18449372	18449376	18449380	18449480
4C-F5	4C-F6	4C-F6	4C-F7	4C-F7	4C-G6	4C-G6	4C-G6	4C-H7
1.50-1.50	0.60-0.60	1.20-1.20	0.60-0.60	1.20-1.20	0.30-0.30	1.00-1.00	1.50-1.50	0.50-0.50
02/10/2018	02/10/2018	02/10/2018	02/10/2018	02/10/2018	02/10/2018	02/10/2018	02/10/2018	02/10/2018
-	Not Detected	-	Not Detected	-	-	Not Detected	-	-
-	-	-	-	-	-	-	-	-
1.76	5.33	2.74	4.71	4.62	2.83	0.97	1.44	5.95
Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown
Stones	Stones	Stones	Stones	Crushed Brick	Crushed Brick	Stones	Stones	Stones
Loamy Sand	Loamy Sand	Loamy Sand	Loamy Sand	Loamy Sand	Sandy Loam	Sandy Loam	Loamy Sand	Sandy Loam
11.60	10.10	11.40	10.80	10.30	9.69	11.40	11.20	11.10
<1	<1	<1	<1	<1	<1	<1	<1	<1
<12	<12	<12	<12	<12	<12	<12	<12	<12
273000.00	158000.00	189000.00	226000.00	206000.00	249000.00	352000.00	96500.00	238000.00
7.04	9.91	6.60	10.10	9.87	6.40	9.75	13.40	75.50
0.71	<0.2	0.03	<0.2	2.58	0.15	0.97	<0.02	1.03
78.30	109.00	46.70	89.80	320.00	19.10	8.19	38.70	37.50
16600.00	10700.00	11600.00	10400.00	10900.00	6670.00	10000.00	10400.00	43000.00
18.00	21.20	10.80	19.50	22.70	10.30	24.70	14.90	38.40
<0.14	<1.4	<0.14	<1.4	<1.4	<0.14	<0.14	<0.14	<0.14
11.00	25.80	14.40	24.10	37.70	41.50	14.30	4.71	38.90
31.00	65.10	19.70	91.30	143.00	14.90	20.50	4.47	76.30
8.96	<10	7.11	<10	<10	4.66	7.14	5.10	20.90
298.00	642.00	124.00	357.00	258.00	250.00	143.00	121.00	137.00
127.00	235.00	92.60	329.00	1380.00	344.00	126.00	53.70	384.00
0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
0.04	0.01	0.01	<0.01	<0.01	0.01	0.01	0.01	0.01

0.04	0.02	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
0.09	0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.83	<0.1	4.37	2.53	3.85	1.99	2.24	1.34	<0.1
7.70	8.44	11.00	10.20	14.20	10.20	11.90	6.80	5.80
50.80	76.70	61.90	123.00	118.00	82.60	87.60	46.40	64.20
8.20	21.60	9.28	64.50	65.60	30.70	15.50	4.23	12.20
69.60	107.00	86.60	200.00	201.00	125.00	117.00	58.80	82.20
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
0.02	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
0.06	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.32	2.19	3.70	4.50	2.67	2.98	0.97	1.88	5.52
8.98	12.00	14.80	12.60	11.70	10.50	5.39	6.94	27.60
59.10	65.50	99.30	92.80	91.70	63.50	42.80	31.50	79.10
29.40	38.60	38.00	92.40	79.80	48.90	22.60	15.20	35.90
99.90	118.00	156.00	202.00	186.00	126.00	71.80	55.50	148.00
170.00	225.00	242.00	402.00	387.00	251.00	189.00	114.00	230.00
1.76	5.33	2.74	4.71	4.62	2.83	0.97	1.44	5.95
0.06	0.19	0.13	0.17	0.25	0.03	0.04	0.02	0.42
0.03	0.08	0.06	0.08	0.10	<0.012	<0.012	0.02	0.29
0.02	0.02	0.02	<0.04	0.02	0.01	<0.008	<0.008	0.08
0.02	0.05	0.03	0.05	0.05	0.02	<0.01	<0.01	0.48
0.31	0.46	0.33	0.44	0.56	0.15	0.09	0.13	2.89
0.06	0.12	0.09	0.10	0.15	0.05	0.02	0.04	0.55
0.73	0.72	0.65	0.76	1.05	0.27	0.18	0.27	3.71

[illegible]

181003-43	181003-43	181003-43	181003-43	181003-43	181020-29	181020-29	210202-91	210202-91
18449489	18449494	18449350	18449407	18449467	18569415	18569420		
4C-H7	4C-H7	4C-H8	4C-H8	4C-H8	4C-G8	4C-G8	R22-1	R22-2
							SOLID	SOLID
1.00-1.00	1.70-1.70	0.50-0.50	1.00-1.00	1.50-1.50	0.50-0.50	1.00-1.00	0.20-0.20	1.60-1.60
02/10/2018	02/10/2018	02/10/2018	02/10/2018	02/10/2018	18/10/2018	18/10/2018	2/1/2021	2/1/2021
Not Detected	-	Not Detected	-	Not Detected	Not Detected	Not Detected	-	Not Detected
-	-	-	-	-	-	-		
7.17	4.43	3.88	6.05	5.00	10.00	11.00	11	13
Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown
Stones	Stones	Stones	Crushed Brick	Stones	Stones	Stones	Stones	Stones
Stone/Soil	Stone/Soil	Sandy Loam	Loamy Sand	Loamy Sand	Sandy Loam	Sandy Loam		
10.70	10.80	11.40	11.30	11.20	11.80	9.55	12.10	11.90
<1	<1	<1	<1	<1	<1	<1	<1	<1
<12	<12	<12	<12	<12	<12	<12	<12	<12
135000.00	167000.00	79700.00	224000.00	194000.00	87500.00	218000.00	117000.00	160000.00
30.80	89.20	5.32	9.16	8.37	7.92	12.10	9.05	<6
0.51	<0.2	<0.02	2.38	0.53	<0.02	1.74	0.74	1.95
25.90	165.00	<0.9	135.00	434.00	38.30	46.40	237.00	184.00
15000.00	39900.00	2460.00	8710.00	18800.00	8620.00	9290.00	12300.00	10000.00
26.00	32.50	5.56	74.60	25.70	9.56	40.30	47.90	<14
<0.14	<1.4	<0.14	<1.4	<0.14	<0.14	<1.4	<1	<1
64.00	36.00	13.90	29.80	15.10	11.20	28.40	25.30	12.80
97.40	56.10	37.40	112.00	65.80	14.70	91.10	102.00	11.10
7.99	25.00	1.70	<10	9.23	2.08	<10	<10	<10
75.80	166.00	54.90	143.00	322.00	169.00	120.00	220.00	209.00
433.00	240.00	193.00	366.00	223.00	60.70	151.00	373.00	76.40
<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01
0.01	0.01	0.01	0.02	<0.01	<0.02	<0.02	<0.01	<0.01

<0.01	<0.01	<0.01	0.01	<0.01	<0.02	<0.02	<0.01	<0.01
<0.01	<0.01	<0.01	0.01	<0.01	<0.02	<0.02	<1	<1
1.50	1.24	<0.1	<0.01	<0.01	4.48	3.53	3.47	1.33
7.05	5.53	4.61	2.81	5.01	23.70	22.60	16.20	47.60
49.40	34.90	64.50	33.80	40.70	175.00	182.00	94.20	22.80
20.70	11.60	20.00	9.01	2.32	42.50	55.30	42.40	12.50
78.60	53.20	89.10	45.60	48.10	245.00	264.00	156.00	84.20
<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<1	<1
2.78	1.97	2.68	1.57	0.68	3.03	2.22	<1	<1
10.40	7.78	15.50	8.02	4.24	15.00	11.40	3.49	12.90
46.20	33.70	74.40	38.30	25.80	92.90	110.00	28.30	41.60
29.20	17.80	46.20	20.50	10.50	53.70	87.00	1.30	10.40
88.70	61.20	139.00	68.40	41.20	165.00	211.00	33.50	65.90
167.00	114.00	228.00	114.00	89.30	410.00	474.00	190.00	150.00
7.17	4.43	3.88	6.05	5.00	3.62	4.76	3.34	7.43
0.24	0.16	0.35	0.32	0.12	0.21	0.11	0.13	0.15
0.17	0.05	0.20	0.16	0.04	0.13	<0.06	0.08	0.06
0.03	0.01	0.04	<0.04	0.01	<0.04	<0.04	0.06	0.03
0.13	0.04	0.17	0.08	0.03	0.09	<0.05	0.08	0.05
1.03	0.43	1.34	0.75	0.26	0.79	0.36	0.64	0.42
0.21	0.09	0.38	0.21	0.07	0.23	0.13	0.14	0.13
1.51	0.65	2.35	1.50	0.42	1.72	0.80	1.27	0.71

[illegible]

210202-91	210202-91	210202-91	210202-91	22-32332	22-32332	210331-76	181003-43	181003-43
				1493556	1493557		18449389	18449394
Q21-1	Q21-2	Q22-1	Q22-2	W53-1	W53-2	R-125-1	4C-G5	4C-G5
SOLID	SOLID	SOLID	SOLID	SOIL	SOIL	SOLID		
0.30-0.30	1.90-1.90	0.30-0.30	1.70-1.70	0.2	0.2	0.20-0.20	0.50-0.50	1.00-1.00
				0.2	0.2			
2/1/2021	2/1/2021	2/1/2021	2/1/2021	22-Aug-2022	22-Aug-2022	26/03/2021	02/10/2018	02/10/2018
				NEW-ASB				
Not Detected	-	-	Not Detected	No Asbestos Detected		Not Detected	Not Detected	-
						-	-	-
9.1	15	13	11	5.10	5.30	12	5.45	7.90
Dark Brown	Light Brown	Dark Brown	Dark Brown	Brown	Brown	Dark Brown	Dark Brown	Dark Brown
Stones	Stones	Stones	Stones	Stones	Stones	Stones	Stones	Stones
				Sand	Sand		Stone/Soil	Stone/Soil
10.30	8.62	12.10	10.90	9.10	8.90	9.58	11.40	11.30
<1	<1	1.96	<1	2.60	1.80	<1	<1	<1
<12	27.80	<12	<12	<0.5	<0.5	17.90	<12	<12
148000.00	37600.00	190000.00	80400.00	81000.00	50000.00	127000.00	157000.00	155000.00
7.96	6.39	18.60	<6	6.80	7.90	16.70	8.55	12.10
0.88	0.31	2.86	0.43	0.37	0.54	<0.2	0.26	<0.2
62.00	20.10	411.00	125.00	120.00	73.00	113.00	127.00	342.00
7410.00	2970.00	24500.00	8590.00	7600.00	4700.00	13000.00	13100.00	22000.00
19.40	<14	41.70	<14	25.00	22.00	25.80	14.60	23.10
<1	<1	<1	<1	0.16	0.17	<1	<0.14	<1.4
23.80	20.90	31.10	7.40	20.00	20.00	19.70	13.70	57.80
80.60	22.10	369.00	21.40	63.00	80.00	71.80	57.40	31.20
<10	<10	10.50	<10	0.76	1.10	<10	7.04	12.80
125.00	43.60	414.00	244.00	140.00	90.00	315.00	363.00	894.00
222.00	81.30	1260.00	59.70	160.00	260.00	242.00	275.00	131.00
<0.01	<0.01	<0.01	<0.01	<1	<1	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	<1	<1	<0.01	0.01	<0.01

<0.01	<0.01	<0.01	<0.01	<1	<1	<0.01	<0.01	<0.01
<1	<1	<1	<1	<1	<1	<1	0.01	<0.01
<1	<1	1.26	<1	<1	<1	1.55	21.00	29.20
1.39	<1	11.70	<1	<1	<1	8.57	46.40	67.60
13.80	2.53	76.80	7.91	<1	<1	59.30	165.00	199.00
2.23	<1	26.10	<1	<1	<1	19.10	42.50	49.30
17.90	<5	116.00	8.85	<5	<5	88.50	275.00	345.00
<0.01	<0.01	<0.01	<0.01	<1	<1	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	<1	<1	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	<1	<1	<0.01	<0.01	<0.01
<1	<1	<1	<1	<1	<1	<1	<0.01	<0.01
2.59	<1	<1	<1	<1	<1	<1	7.90	9.11
32.20	<1	1.39	1.01	9.90	14.00	2.27	23.90	27.70
76.00	2.23	14.70	4.24	140.00	110.00	18.30	112.00	143.00
8.60	<1	<1	<1	<1	<1	1.26	60.90	65.50
120.00	<5	17.30	6.26	150.00	120.00	21.90	205.00	245.00
138.00	<10	133.00	15.10	150.00	120.00	110.00	480.00	590.00
19.70	3.05	4.69	1.07	19.00	24.00	5.83	5.45	7.90
0.48	0.04	0.07	0.09	1.70	2.80	0.13	0.22	0.12
0.37	<0.012	0.02	0.04	0.82	0.83	0.10	0.06	<0.06
<0.008	<0.008	0.03	0.01	0.18	0.29	0.03	0.02	0.05
0.23	<0.01	0.02	0.03	0.41	0.38	0.05	0.06	<0.05
2.03	0.10	0.30	0.25	3.10	3.30	0.44	0.46	0.38
0.55	<0.016	0.07	0.06	0.95	1.10	0.13	0.09	<0.08
4.19	0.09	0.51	0.36	7.00	6.70	1.05	0.75	1.16

3.20	0.07	0.44	0.28	6.70	6.00	0.87	0.74	1.31
2.10	0.05	0.26	0.16	4.90	5.00	0.68	0.49	1.07
2.01	0.08	0.32	0.17	5.40	4.90	0.76	0.50	1.12
3.07	0.08	0.46	0.23	7.90	8.10	1.03	0.57	1.70
0.95	0.02	0.14	0.07	2.80	2.90	0.36	0.28	0.63
1.93	0.05	0.24	0.13	5.80	6.40	0.60	0.65	1.59
1.54	0.04	0.24	0.12	3.90	5.60	0.51	0.51	1.11
0.35	<0.023	0.05	<0.023	0.73	0.90	0.12	0.09	0.19
1.48	0.04	0.22	0.11	4.00	4.80	0.49	0.54	1.16
24.50	0.65	3.39	2.12	56.00	60.00	7.36	6.00	11.60
				<0.02	<0.02			
0.01	<0.01	0.02	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01
<0.01	<0.01	0.02	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01
<0.015	<0.015	<0.015	<0.015	<0.02	<0.02	<0.015	<0.015	<0.015
				<0.02	<0.02			
				<0.02	<0.02			
<0.035	<0.035	0.05	<0.035	<0.1	<0.1	<0.035	<0.035	<0.035
<180	<180	<180	<180	<1	<1	<180	<90	<90
<140	<140	<140	<140	<1	<1	<140	<70	<70
<80	<80	<80	<80	<1	<1	<80	<40	<40
<200	<200	<200	<200	<1	<1	<200	<100	<100
<200	<200	<200	<200	<1	<1	<200	<100	<100
<200	<200	<200	<200	<1	<1	<200	<100	<100

Fill Material

[illegible]

0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
0.06	<1	<1	<1	<1	<1	<1	<1	<1
43.30	3.68	2.37	17.80	6.21	10.90	11.00	7.12	7.41
73.50	23.30	19.10	72.50	30.80	36.30	42.50	26.30	25.90
141.00	139.00	108.00	242.00	125.00	128.00	135.00	87.10	107.00
30.20	38.90	65.50	41.40	35.00	44.40	33.30	33.00	82.40
288.00	<205.05	<195.05	<374.05	<197.05	<220.05	<221.05	<154.05	<223.05
<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
0.04	<1	<1	<1	<1	<1	<1	<1	<1
7.91	<1	<1	3.13	<1	1.64	1.17	<1	1.02
22.20	2.63	5.91	7.91	4.91	6.11	4.76	3.91	5.07
75.20	28.40	56.20	35.20	37.50	33.30	21.90	26.00	41.70
30.60	1.56	1.80	1.21	2.23	1.05	<1	1.08	2.90
136.00	<33.15	<64.85	<47.55	<45.65	<42.15	<29.05	<32.05	<50.75
424.00	238.00	260.00	422.00	243.00	262.00	250.00	186.00	274.00
2.21	2.16	3.91	1.16	2.88	1.69	2.02	2.41	3.15
0.05	0.05	0.04	0.02	0.04	0.07	0.04	0.07	<0.045
<0.012	0.03	0.05	0.02	0.04	0.36	0.06	0.06	<0.06
0.02	0.03	0.02	0.02	0.02	0.02	<0.008	0.03	<0.04
0.02	0.02	0.02	0.02	0.02	0.51	0.02	0.04	<0.05
0.14	0.25	0.29	0.18	0.33	6.01	0.27	0.52	0.18
0.03	0.07	0.10	0.05	0.09	3.77	0.10	0.20	<0.08
0.25	0.64	0.83	0.58	0.84	8.20	0.83	1.21	0.48

[illegible]

[illegible]

<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
<1	<1	<1	<1	<1	<1	<1	<1	<1
4.91	7.82	9.36	24.20	7.56	15.70	<1	5.05	1.79
22.60	28.40	33.00	62.90	34.00	44.90	2.13	19.30	7.24
92.20	111.00	140.00	103.00	151.00	273.00	13.30	96.00	34.70
40.50	44.50	45.00	37.40	75.10	84.90	3.09	39.30	12.80
<160.05	<192.05	<227.05	<228.05	<268.05	<418.05	<19.75	<160.05	<56.55
<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	1.92	<1	1.70	3.35	1.43	1.92	<1	<1
2.51	7.98	5.25	6.19	9.46	2.11	1.86	1.60	<1
32.80	35.00	26.60	23.10	73.50	20.30	6.74	28.60	12.30
1.02	1.05	<1	<1	1.31	1.42	<1	1.23	1.14
<36.95	<46.15	<33.85	<32.25	<87.75	<25.25	<11.65	<32.25	<14.85
197.00	238.00	261.00	260.00	355.00	444.00	31.30	192.00	71.30
1.86	1.86	2.24	2.02	2.21	1.70	2.52	1.66	2.16
0.03	0.09	0.06	0.05	0.05	0.03	0.08	<0.045	0.05
0.05	0.13	0.11	0.06	<0.06	0.01	<0.012	<0.06	0.02
<0.008	0.01	0.02	0.01	<0.04	<0.008	0.02	<0.04	0.02
0.02	0.03	0.07	0.02	<0.05	<0.01	0.02	<0.05	0.02
0.21	0.54	0.71	0.27	0.29	0.36	0.28	0.28	0.25
0.06	0.18	0.22	0.09	<0.08	0.08	0.05	<0.08	0.05
0.66	1.63	1.44	1.08	0.79	0.99	0.40	0.45	0.55

[illegible]

191012-76	191012-76	191012-76	191012-76	191012-76	191012-76	191012-76	191012-76	191012-76
20928321	20928330	20928349	20928354	20928360	20928365	20928369	20928373	20928378
W97-05	W97-06	W98-01	W98-02	W98-03	W98-04	W99-01	W99-02	W99-03
SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
10/10/2019	10/10/2019	10/10/2019	10/10/2019	10/10/2019	10/10/2019	10/10/2019	10/10/2019	10/10/2019
Trace	-	Not Detected	-	Not Detected	-	Not Detected	-	Not Detected
<0.001	-	-	-	-	-	-	-	-
8.60	10.00	7.30	8.60	11.00	15.00	14.00	8.30	11.00
Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown
Stones None	Stones Vegetation	StonesCrushed Bones	StonesVegetation	StonesNone	StonesNone	StonesBrick	StonesVegetation	StonesNone
Sand	Sand	Sandy Loam	Sandy Loam	Sandy Loam	Sandy Loam	Loamy Sand	Sand	Loamy Sand
11.80	11.00	9.58	9.73	9.86	12.80	12.80	9.08	12.40
<1	<1	<1	<1	<1	<1	<1	<1	<1
<2	<2	<2	<2	<2	<2	<2	<2	<2
160000.00	80200.00	25100.00	28600.00	93100.00	157000.00	136000.00	102000.00	127000.00
8.30	27.30	6.50	6.96	8.38	8.49	<6	9.85	7.56
<0.02	0.17	0.39	0.13	0.92	<0.02	<0.02	<0.02	<0.02
250.00	97.50	27.80	47.60	310.00	257.00	279.00	43.80	211.00
27900.00	11200.00	2810.00	4310.00	19700.00	20700.00	19600.00	8500.00	16400.00
25.80	28.60	16.20	12.30	27.90	12.50	<14	21.80	20.20
<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
10.70	17.90	12.30	12.90	16.70	12.10	8.48	14.10	11.40
31.00	45.70	52.20	115.00	160.00	112.00	63.20	63.10	74.90
8.09	4.53	<1	1.73	6.92	5.87	7.37	3.37	4.97
398.00	208.00	55.60	58.80	449.00	417.00	353.00	107.00	309.00
162.00	402.00	83.90	103.00	419.00	423.00	115.00	83.10	368.00
<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
<0.02	<0.02	<0.02	<0.02	<0.02	0.02	0.04	<0.02	0.03

<0.02	<0.02	<0.02	<0.02	<0.02	0.03	0.05	<0.02	0.03
<1	<1	<1	<1	<1	<1	<1	<1	<1
165.00	1.27	<1	<1	<1	14.10	<1	<1	4.73
400.00	3.39	3.21	2.09	3.75	34.50	<1	<1	16.20
305.00	13.20	12.80	14.80	50.70	87.10	<1	1.62	115.00
58.70	2.69	2.32	2.69	10.10	24.40	<1	<1	29.50
<929.05	<20.65	<18.95	<20.05	<65.35	160.05	<5.0948	<5.05	165.05
<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.04	<0.02	<0.02
<1	<1	<1	<1	<1	<1	<1	<1	<1
26.90	1.76	<1	<1	<1	5.73	<1	<1	<1
26.30	3.31	1.69	2.18	2.32	28.00	<1	2.68	6.28
30.10	4.28	11.80	11.10	25.70	100.00	<1	18.70	48.10
<1	<1	<1	<1	1.28	9.78	<1	1.25	1.88
<84.45	<10.45	<14.45	<14.55	<29.75	<144.05	<5.05	<23.55	<57.25
1010.00	31.00	33.40	34.50	95.00	305.00	10.00	23.50	222.00
2.09	2.62	2.98	2.47	6.53	6.40	3.24	2.12	3.64
0.02	0.07	<0.009	0.03	0.02	0.20	0.13	0.02	0.09
<0.012	0.03	<0.012	0.06	<0.012	0.06	0.05	<0.012	0.05
0.02	0.02	<0.008	0.08	0.03	0.05	0.02	0.02	0.07
<0.01	0.02	<0.01	0.14	0.02	0.06	0.04	0.02	0.04
0.19	0.43	0.27	1.05	0.31	0.96	0.84	0.18	0.70
0.03	0.10	0.08	0.28	0.07	0.17	0.13	0.05	0.16
0.59	0.91	0.50	1.94	0.74	1.92	1.11	0.47	1.82

[illegible]

191012-76	191012-76	191025-7	191025-7	191025-7	191025-7	191025-7	191025-7	191025-7
20928385	20928390	21014730	21014790	21014798	21014802	21014806	21014810	21014814
W99-04	W99-05	W165-01	W165-02	W165-03	W165-04	W165-05	W165-06	W165-07
SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
10/10/2019	10/10/2019	24/10/2019	24/10/2019	24/10/2019	24/10/2019	24/10/2019	24/10/2019	24/10/2019
-	Not Detected	Detected	Detected	Not Detected	Detected	Not Detected	Not Detected	Not Detected
-	-	0.00	<0.001	-	<0.001	-	-	-
9.40	8.30	4.90	6.80	4.90	5.20	9.60	4.80	6.40
Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown
StonesCrushed B	StonesNone	StonesBrick	StonesBrick	StonesNone	StonesVegetation	StonesNone	StonesVegetation	StonesVegetation
Stone/Soil	Stone/Soil	Sandy Silt Loam	Sandy Silt Loam	Sandy Silt Loam	Sandy Silt Loam	Sandy Silt Loam	Sandy Silt Loam	Sandy Loam
12.70	11.80	9.13	9.16	9.07	9.31	9.28	9.01	9.03
<1	<1	<1	<1	1.26	<1	<1	<1	<1
<2	<2							
120000.00	148000.00	98000.00	86100.00	94000.00	79400.00	59200.00	102000.00	75700.00
6.33	6.72	7.35	7.48	6.65	7.64	9.02	7.18	16.00
<0.02	<0.02	<0.2	0.03	0.65	<0.02	0.48	<0.02	0.37
382.00	177.00	592.00	268.00	185.00	193.00	44.50	172.00	57.50
16200.00	13400.00	18000.00	19100.00	12400.00	16700.00	4750.00	19900.00	6830.00
14.40	18.60	14.10	14.10	15.20	9.47	13.40	6.46	17.50
<0.14	<0.14	<1.4	<0.14	<1.4	<0.14	<0.14	<0.14	<0.14
13.70	11.20	14.60	11.20	23.90	10.90	13.30	9.68	17.60
72.40	104.00	48.30	51.90	48.90	38.90	72.10	37.80	90.50
5.90	6.67	<10	7.55	<10	4.49	2.07	4.91	2.45
315.00	201.00	312.00	216.00	427.00	171.00	74.00	344.00	104.00
365.00	342.00	165.00	206.00	166.00	175.00	304.00	177.00	358.00
<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
<0.02	<0.02	0.06	0.04	0.04	<0.02	0.05	0.07	0.02

<0.02	<0.02	0.05	0.03	0.03	<0.02	0.04	0.06	<0.02
<1	<1	<1	<1	<1	<1	<1	<1	<1
10.40	<1	1.15	1.91	1.04	1.07	2.15	<1	<1
31.20	6.64	9.33	12.30	4.36	7.27	11.90	1.63	4.55
100.00	16.10	63.40	81.10	24.20	39.80	70.00	17.80	38.40
21.30	2.78	26.30	26.70	8.75	24.30	24.10	3.14	7.70
<163.05	<26.45	100.11	<122.0633	38.56	<72.55	108.10	22.92	<51.25
<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
<0.02	<0.02	0.03	<0.02	<0.02	<0.02	0.03	0.04	<0.02
<1	<1	1.03	1.40	<1	<2	1.13	<1	<1
2.58	<1	4.61	6.12	2.50	1.56	5.03	<1	<1
8.47	6.40	52.00	60.60	13.90	10.70	33.60	2.25	7.26
50.20	40.80	158.00	182.00	48.10	47.80	88.60	9.71	25.70
1.76	1.76	31.00	22.80	4.96	5.98	5.98	<1	2.24
<63.05	<49.05	<247.05	<273.05	<70.35	<66.55	<134.05	<13.35	<36.45
226.00	75.40	347.00	395.00	109.00	139.00	243.00	36.30	87.70
2.79	5.53	4.14	6.67	6.19	3.79	4.95	4.84	4.19
<0.09	0.03	0.71	0.88	0.59	0.54	0.51	0.25	0.53
<0.12	<0.012	1.24	1.73	0.57	0.52	0.34	0.17	0.44
<0.08	0.07	0.11	0.26	0.07	0.05	0.05	0.03	0.07
<0.1	0.02	0.57	1.50	0.27	0.18	0.16	0.08	0.24
0.44	0.50	4.23	10.10	2.08	1.46	1.29	0.70	2.17
<0.16	0.12	1.57	4.64	0.62	0.49	0.40	0.23	0.75
1.08	1.53	11.70	23.30	3.89	3.65	2.72	1.44	4.29

[illegible]

191025-7	191025-7	191025-7	191025-7	191025-7	191025-7	191025-7	191025-7	191025-7
21014818	21014822	21014737	21014745	21014750	21014759	21014764	21014770	21014774
W165-08	W165-09	W165-10	W165-11	W165-12	W165-13	W165-14	W165-15	W165-16
SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
24/10/2019	24/10/2019	24/10/2019	24/10/2019	24/10/2019	24/10/2019	24/10/2019	24/10/2019	24/10/2019
Not Detected	Not Detected	Not Detected	Not Detected	Detected	Detected	Trace	Not Detected	Detected
-	-	-	-	0.00	<0.001	<0.001	-	<0.001
8.30	6.70	8.40	6.80	7.60	5.10	7.50	7.70	6.40
Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown
Stones Vegetation	Stones Vegetation	Vegetation Stones	Stones Vegetation	Stones Brick	Stones Brick	Stones Vegetation	Stones Crushed Brick	Stones None
Sandy Silt Loam	Sandy Loam	Sandy Loam	Sandy Silt Loam	Sandy Loam	Sandy Loam	Sandy Loam	Sandy Loam	Sandy Loam
9.10	9.04	9.61	9.39	9.29	9.46	9.52	9.49	9.44
<1	<1	<1	<1	<1	<1	<1	<1	<1
58200.00	44400.00	93400.00	73500.00	93600.00	55300.00	79400.00	73200.00	94900.00
12.30	26.20	13.80	6.64	11.30	5.80	7.77	9.58	8.89
0.20	0.79	0.71	<0.02	0.59	0.07	<0.02	0.19	0.07
60.40	51.50	94.10	48.00	118.00	101.00	192.00	57.10	145.00
7880.00	30600.00	11300.00	8300.00	8940.00	10700.00	17700.00	12400.00	14600.00
12.60	18.80	25.70	10.20	22.60	11.90	12.10	13.40	16.20
<0.14	<0.14	<0.14	<0.14	<0.14	1.33	<0.14	<0.14	<0.14
16.20	14.90	14.60	18.50	23.60	10.60	12.80	15.50	14.40
68.80	46.50	95.70	32.70	95.00	36.20	42.90	62.20	70.30
2.60	13.20	3.51	1.94	<10	3.91	5.32	3.52	4.01
94.20	71.50	143.00	84.70	138.00	130.00	315.00	141.00	144.00
299.00	219.00	428.00	168.00	336.00	150.00	148.00	242.00	254.00
<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
<0.02	0.03	0.04	0.05	0.04	<0.02	0.03	0.04	<0.02

<0.02	0.02	0.03	0.04	0.03	<0.02	0.02	0.03	<0.02
<1	<1	<1	<1	<1	<1	<1	<1	<1
1.21	<1	4.32	1.82	2.18	1.80	2.09	7.04	3.93
7.14	<1	14.80	11.20	14.70	11.50	13.90	19.50	17.30
37.90	12.90	57.30	53.60	86.30	63.00	63.40	101.00	113.00
12.40	3.82	20.10	10.90	40.40	21.10	20.30	50.10	59.80
<59.05	17.75	96.77	77.69	144.07	<97.55	<99.95	178.07	<194.05
<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
<0.02	<0.02	0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02
<1	<1	<1	<1	<1	1.24	1.22	1.13	1.22
2.50	<1	4.29	2.03	2.86	3.49	4.01	5.06	5.77
14.30	1.26	10.70	11.10	18.10	18.00	23.30	22.60	21.60
50.60	9.38	38.90	42.20	75.60	61.50	67.00	76.30	78.10
6.25	1.23	19.80	3.55	6.91	6.99	5.96	5.07	3.37
<74.25	<12.05	<73.95	<59.55	<104.05	<91.25	<101.05	<110.05	<110.05
133.00	29.70	171.00	137.00	248.00	189.00	201.00	288.00	304.00
4.14	4.14	5.88	2.22	4.78	4.34	4.59	5.52	5.22
0.34	0.14	0.40	0.49	0.42	0.71	1.00	0.82	1.74
0.35	0.15	0.22	0.45	0.35	0.57	0.79	0.81	1.03
0.07	0.03	0.06	0.06	0.04	0.07	0.08	0.10	<0.04
0.18	0.06	0.12	0.32	0.15	0.26	0.42	0.66	1.32
1.39	0.47	0.98	2.13	1.24	1.74	3.06	4.15	8.28
0.64	0.14	0.32	0.72	0.38	0.51	0.84	1.02	2.63
3.13	1.06	1.85	3.68	2.48	3.20	6.34	6.20	9.44

[illegible]

191025-7	191025-7	191025-7	191025-7	3A Validated Mate				
21014778	21014782	21014786	21014794					
W165-17	W165-18	W165-19	W165-20	W126-01	W126-02	W126-03	W126-04	W126-05
SOLID	SOLID	SOLID	SOLID					
0	0	0	0					
0	0	0	0					
24/10/2019	24/10/2019	24/10/2019	24/10/2019					
Not Detected	Detected	Not Detected	Not Detected					
-	<0.001	-	-					
7.40	8.50	7.30	7.30					
Dark Brown	Dark Brown	Dark Brown	Dark Brown					
Stones N/A	Stones Brick	Stones Vegetation	Stones Vegetation					
Sandy Loam	Sandy Loam	Sandy Loam	Sandy Loam					
9.36	9.33	9.36	9.28					
<1	<1	<1	<1	<1	<1	<1	<1	<1
				<12	<12	<12	<12	<12
90600.00	66100.00	85100.00	75100.00	28900.00	63200.00	53100.00	111000.00	34400.00
9.98	8.03	8.85	9.87	5.94	9.80	9.20	21.80	7.41
0.68	0.17	0.47	0.73	0.15	0.87	0.63	0.31	0.31
148.00	84.70	109.00	62.70	<0.9	10.20	<9	29.20	<0.9
7170.00	8440.00	9380.00	5930.00					
23.10	16.80	18.20	23.70	15.10	32.00	17.10	15.00	19.00
<1.4	<0.14	<1.4	<1.4	<0.14	<1.4	<1.4	<0.14	<0.14
23.90	16.60	18.70	26.90	9.68	18.80	9.22	13.10	9.35
85.30	57.90	59.40	91.20	15.80	48.90	42.90	37.60	25.80
<10	3.36	<10	<10	1.29	<10	<10	3.12	2.11
137.00	121.00	137.00	107.00	19.30	52.50	26.10	194.00	13.20
278.00	268.00	198.00	297.00	69.60	183.00	156.00	149.00	64.30
<0.02	<0.02	<0.02	<0.02					
<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01

<0.02	<0.02	<0.02	<0.02	<0.01	0.01	<0.01	0.06	<0.01
<1	<1	<1	<1	<0.01	0.04	<0.01	0.50	0.01
3.06	4.55	1.84	3.04	<0.01	0.09	<0.01	1.57	0.02
17.10	14.10	9.54	15.90	4.33	5.92	4.16	55.00	6.80
95.70	60.10	50.60	69.80	17.70	21.10	13.00	76.90	22.70
57.10	20.30	13.80	25.90	56.30	39.90	31.60	42.90	58.80
<173.05	<99.35	<76.05	<115.05	22.80	13.20	10.90	7.10	16.50
<0.02	<0.02	<0.02	<0.02					
<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01
<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01
1.30	<1	1.25	1.09	<0.01	0.03	<0.01	0.36	0.01
5.40	4.50	4.21	6.69	<0.01	0.06	<0.01	1.05	0.01
29.30	10.60	22.30	36.50	1.12	2.15	1.57	27.00	1.72
98.20	37.60	57.40	88.20	7.02	9.37	6.46	31.90	8.72
6.74	20.90	6.92	8.53	44.00	33.20	26.40	37.90	32.10
<141.05	<73.95	<92.15	<141.05	31.20	21.00	17.40	20.50	18.00
314.00	173.00	168.00	256.00					
8.14	8.50	5.79	15.20					
<0.009	0.79	0.85	1.14	<0.01	<0.01	<0.01	<0.01	<0.01
<0.012	0.49	0.78	0.72	<0.002	<0.002	<0.002	0.00	<0.002
<0.008	0.09	0.07	0.10	<0.003	<0.003	<0.003	0.01	<0.003
<0.01	0.36	0.44	0.39	<0.009	<0.009	<0.009	0.01	<0.009
0.03	2.70	3.17	2.73	<0.009	<0.009	<0.009	0.01	<0.009
<0.016	0.69	0.89	0.86	<0.005	<0.005	<0.005	<0.005	<0.005
0.09	4.34	5.87	5.35	0.13	0.15	0.16	0.20	0.18

0.08	3.20	4.29	4.01	0.08	0.04	0.08	0.09	0.09
0.05	1.93	3.20	2.86	0.02	0.04	0.03	0.03	0.04
0.04	1.70	2.96	2.60	0.04	0.06	0.08	0.07	0.06
0.06	2.12	4.12	3.89	0.28	0.38	0.64	0.55	0.50
0.02	0.78	1.49	1.31	0.09	0.10	0.20	0.18	0.17
0.05	1.68	2.56	2.41	0.88	0.74	1.28	0.98	1.01
0.03	1.34	1.77	1.62	0.71	0.59	0.98	0.82	0.80
<0.023	0.22	0.48	0.43	0.51	0.41	0.57	0.58	0.62
0.03	1.24	1.88	1.75	0.46	0.40	0.52	0.57	0.53
0.48	23.70	34.80	32.10	0.76	0.60	0.72	0.95	0.80
				0.28	0.22	0.28	0.30	0.30
0.01	<0.01	<0.01	<0.01	0.45	0.36	0.44	0.54	0.54
<0.01	<0.01	<0.01	0.01	0.26	0.19	0.22	0.39	0.34
<0.015	<0.015	<0.015	<0.015	0.08	0.07	0.08	0.14	0.10
				0.27	0.22	0.24	0.48	0.38
<0.035	<0.035	<0.035	<0.035					
<90	<90	<90	<90	<0.01	0.01	<0.01	<0.01	<0.01
<70	<70	<70	<70					
<40	<40	<40	<40					
<100	<100	<100	<100					
<100	<100	<100	<100					
<100	<100	<100	<100					

				Surface Validation Sample				
Material				23-07108	23-07108	24-08486	23-07108	24-08486
				1599881	1599882	1782038	1599884	1782037
W126-06	W126-07	W126-08	W126-09	4c-SV1	4c-SV2	4C-SV3	4c-SV4	4C-SV5
				SOIL	SOIL	SOIL	SOIL	SOIL
				0.2	0.2		0.2	
				0.2	0.2		0.2	
				01-Mar-2023	01-Mar-2023	15-Mar-2024	01-Mar-2023	15-Mar-2024
				DURHAM	DURHAM	DURHAM		DURHAM
				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	-	No Asbestos Detected
							-	
				8.60	10.00	10.00	7.50	7.90
				Brown	Brown	Brown	Brown	Brown
				Stones	Stones	Stones	Stones	Stones
				Sand	Sand	Sand	Sand	Sand
				9.00	9.40	9.30	9.10	10.10
<1	<1	<1	<1	<0.5	0.90	<0.5	0.70	1.10
<12	<12	<12	<12	3.10	1.20	10.00	3.10	10.00
47100.00	38300.00	21300.00	33100.00	49000.00	69000.00	23000.00	54000.00	19000.00
7.89	7.58	6.48	8.63	11.00	16.00	15.00	12.00	13.00
0.40	0.43	0.35	0.23	0.42	0.69	0.74	0.81	0.87
17.10	<0.9	8.69	1.83	53.00	180.00	230.00	78.00	140.00
				3400.00	13000.00	17000.00	4400.00	10000.00
12.40	28.50	19.60	17.80	22.00	46.00	40.00	35.00	30.00
<0.14	0.30	<0.14	<0.14	0.10	0.19	0.25	0.26	0.19
14.50	12.50	13.70	13.60	21.00	38.00	54.00	26.00	25.00
33.50	23.40	39.10	30.30	73.00	100.00	120.00	110.00	100.00
1.82	1.58	<1	1.85	1.80	1.90	1.20	1.90	3.20
43.70	24.40	21.70	19.40	66.00	200.00	280.00	98.00	170.00
222.00	116.00	142.00	104.00	140.00	290.00	380.00	310.00	270.00
				<0.05	<0.05	<0.05	<0.05	<0.05
<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05

<0.01	<0.01	<0.01	<0.01	0.44	0.43	<0.05	0.30	<0.05
<0.01	<0.01	<0.01	<0.01	<2	3.00	2.80	2.60	3.60
<0.01	<0.01	<0.01	<0.01	4.70	5.50	5.90	4.30	3.50
4.71	4.72	5.61	2.84	11.00	12.00	25.00	4.30	7.60
19.30	19.40	22.60	11.60	34.00	19.00	46.00	9.80	33.00
47.40	66.30	69.10	39.00	<10	<10	22.00	<10	26.00
16.80	27.00	34.40	16.60	52.00	39.00	100.00	21.00	74.00
				<0.05	<0.05	<0.05	<0.05	<0.05
<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05
<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05
<0.01	<0.01	<0.01	<0.01	3.20	2.00	3.80	1.20	4.50
<0.01	<0.01	<0.01	<0.01	1.60	4.70	<1	3.60	<1
1.45	1.52	2.39	1.56	11.00	23.00	13.00	14.00	5.40
9.61	8.79	9.39	6.92	23.00	48.00	38.00	12.00	9.10
37.10	51.20	55.80	44.00	4.50	6.90	8.40	2.60	7.60
21.70	34.80	52.30	29.40	43.00	85.00	63.00	34.00	27.00
				94.00	120.00	160.00	54.00	100.00
				13.00	13.00		9.60	6.90
<0.01	<0.01	<0.01	<0.01	1.00	1.80	1.00	2.90	0.37
<0.002	<0.002	<0.002	<0.002	0.30	0.72	<0.1	0.80	<0.1
<0.003	<0.003	<0.003	<0.003	<0.1	0.10	<0.1	0.15	<0.1
<0.009	<0.009	<0.009	<0.009	0.20	0.36	<0.1	0.42	<0.1
<0.009	<0.009	<0.009	<0.009	1.40	3.60	1.60	3.20	0.57
0.0077	<0.005	<0.005	<0.005	0.43	1.20	0.57	0.96	<0.1
0.18	0.13	0.06	0.16	2.50	7.40	2.50	6.30	0.72

[illegible]

23-07108	23-07108	No of samples Max Mean			Maximum Concentrati on Check	95th Percentile Concentrati on	95th Percentile Check
1599886	1599887						
4c-SV6	4c-SV7						
SOIL	SOIL						
0.2	0.2						
0.2	0.2						
01-Mar-2023	01-Mar-2023						
	DURHAM						
-	No Asbestos Detected						
-	-						
5.10	6.50						
Black	Brown						
Stones	Stones						
Sand	Sand						
8.60	9.50						
<0.5	1.30	113.00	2.60	1.02	2.60	1.04	no exc.
11.00	6.10	93.00	27.80	8.55	no exc.	12.00	no exc.
9900.00	59000.00	113.00	639000.00	137627.43	639000.00	329800.00	329800.00
4.30	15.00	113.00	89.20	12.20	no exc.	25.90	no exc.
0.19	1.40	113.00	3.38	0.51	no exc.	1.80	no exc.
17.00	83.00	113.00	592.00	125.57	no exc.	328.80	no exc.
760.00	5400.00	104.00	59800.00	13986.54	59800.00	28425.00	no exc.
7.70	34.00	113.00	165.00	23.94	no exc.	50.62	no exc.
<0.05	0.35	113.00	1.33	0.53	no exc.	1.40	no exc.
7.40	32.00	113.00	64.00	18.96	no exc.	37.82	no exc.
19.00	180.00	113.00	369.00	61.68	no exc.	122.00	no exc.
0.43	1.90	113.00	26.20	7.09	no exc.	12.96	no exc.
22.00	110.00	113.00	894.00	223.46	no exc.	518.20	no exc.
63.00	530.00	113.00	1380.00	246.79	no exc.	485.00	no exc.
<0.05	<0.05	104.00	0.01	0.04	no exc.	0.05	no exc.
<0.05	<0.05	113.00	0.07	0.04	no exc.	0.05	no exc.

0.41	0.39	113.00	0.44	0.05	no exc.	0.34	no exc.
3.80	2.50	113.00	3.80	0.71	no exc.	2.20	no exc.
7.40	4.90	113.00	165.00	5.68	no exc.	17.56	no exc.
9.90	100.00	113.00	400.00	19.70	no exc.	58.16	no exc.
18.00	28.00	113.00	320.00	71.24	no exc.	177.80	no exc.
<10	<10	113.00	84.90	26.75	no exc.	65.88	no exc.
39.00	140.00	113.00	436.00	117.77			
<0.05	<0.05	104.00	0.00	0.04	no exc.	0.05	no exc.
<0.05	<0.05	113.00	0.00	0.04	no exc.	0.05	no exc.
<0.05	<0.05	113.00	0.04	0.04	no exc.	0.05	no exc.
7.90	4.10	113.00	7.90	0.80	no exc.	2.00	no exc.
93.00	7.10	113.00	93.00	3.26	no exc.	6.85	no exc.
740.00	58.00	113.00	740.00	17.49	no exc.	32.76	no exc.
970.00	110.00	113.00	970.00	55.27	no exc.	110.80	no exc.
93.00	13.00	113.00	93.00	18.22	no exc.	62.74	no exc.
1900.00	190.00	113.00	1900.00	92.19			
1900.00	330.00	104.00	1900.00	223.51			
12.00	6.20	103.00	24.00	4.75			
2.10	2.10	113.00	2.90	0.33	no exc.	1.72	no exc.
0.89	0.55	113.00	1.73	0.20	no exc.	0.81	no exc.
<0.1	<0.1	113.00	0.29	0.04	no exc.	0.10	no exc.
0.52	0.49	113.00	1.50	0.14	no exc.	0.50	no exc.
3.50	3.20	113.00	10.10	1.08	no exc.	3.54	no exc.
1.50	0.84	113.00	4.64	0.35	no exc.	1.14	no exc.
7.40	4.90	113.00	23.30	2.05	23.30	7.16	7.16

7.10	3.60	113.00	15.30	1.63	no exc.	6.24	no exc.
5.40	2.00	113.00	10.10	1.11	no exc.	4.94	no exc.
5.60	2.10	113.00	8.60	1.06	no exc.	4.66	no exc.
8.70	2.60	113.00	11.70	1.61	11.70	6.93	6.93
2.60	0.82	113.00	4.12	0.54	no exc.	2.32	no exc.
6.40	1.70	113.00	7.85	1.15	no exc.	4.72	no exc.
5.70	1.40	113.00	5.70	0.90	no exc.	3.55	no exc.
0.85	0.23	113.00	1.39	0.22	no exc.	0.77	no exc.
4.10	1.20	113.00	5.23	0.82	no exc.	3.11	no exc.
62.00	28.00	113.00	112.00	12.89			
<0.02	<0.02	18.00	0.36	0.15			
<0.02	<0.02	113.00	0.60	0.05			
<0.02	<0.02	113.00	0.40	0.03			
<0.02	<0.02	113.00	0.14	0.02			
<0.02	<0.02	18.00	0.48	0.17			
<0.02	<0.02	9.00	0.00	0.02			
<0.1	<0.1	104.00	0.05	0.04			
<1	<1	113.00	0.01	82.91	no exc.	180.00	no exc.
<1	<1	104.00	0.00	70.09	no exc.	140.00	no exc.
<1	<1	104.00	0.00	40.09	no exc.	80.00	no exc.
<1	<1	104.00	0.00	100.09	no exc.	200.00	no exc.
<1	<1	104.00	0.00	100.09	no exc.	200.00	no exc.
<1	<1	104.00	0.00	100.09			

Determinand	Units	SRV	N Detects	Mean	Max	95%ile
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Determinand	Units	SRV	N Detects	Mean	Max	95%ile
Cyanide (Total)	mg/kg	2.02	8.00	1.02	2.60	1.04
Ammoniacal Nitrogen	mg/kg	154	9.00	8.55	27.80	12.00
Iron (Total)	mg/kg	305000	113.00	137627.43	639000.00	329800.00
Arsenic	mg/kg	2533	107.00	12.20	89.20	25.90
Cadmium	mg/kg	73	74.00	0.51	3.38	1.80
Chromium	mg/kg	9431	98.00	125.57	592.00	328.80
Manganese	mg/kg	33300	104.00	13986.54	59800.00	28425.00
Copper	mg/kg	451	106.00	23.94	165.00	50.62
Mercury	mg/kg	132	11.00	0.53	1.33	1.40
Nickel	mg/kg	11500	113.00	18.96	64.00	37.82
Lead	mg/kg	15700	112.00	61.68	369.00	122.00
Selenium	mg/kg	702	78.00	7.09	26.20	12.96
Vanadium	mg/kg	1606	113.00	223.46	894.00	518.20
Zinc	mg/kg	138000	111.00	246.79	1380.00	485.00
Aliphatic VPH >C5-C6	mg/kg	73	1.00	0.04	0.01	0.05
Aliphatic VPH >C6-C8	mg/kg	359	31.00	0.04	0.07	0.05

Aliphatic VPH >C8-C10	mg/kg	2841	29.00	0.05	0.44	0.34
Aliphatic EPH >C10-C12	mg/kg	22500	18.00	0.71	3.80	2.20
Aliphatic EPH >C12-C16	mg/kg	450000	83.00	5.68	165.00	17.56
Aliphatic EPH >C16-C21	mg/kg	56600000	104.00	19.70	400.00	58.16
Aliphatic EPH >C21-C35	mg/kg	56600000	108.00	71.24	320.00	177.80
Aliphatic EPH >C35-C44	mg/kg	56600000	99.00	26.75	84.90	65.88
Total Aliphatic Hydrocarbons	mg/kg	0	71.00	117.77	436.00	0.00
Aromatic VPH >C5-C7	mg/kg	8.51	0.00	0.04	0.00	0.05
Aromatic VPH >C7-C8	mg/kg	177	0.00	0.04	0.00	0.05
Aromatic VPH >C8-C10	mg/kg	144	11.00	0.04	0.04	0.05
Aromatic EPH >C10-C12	mg/kg	227	25.00	0.80	7.90	2.00
Aromatic EPH >C12-C16	mg/kg	451	72.00	3.26	93.00	6.85
Aromatic EPH >C16-C21	mg/kg	1424	106.00	17.49	740.00	32.76
Aromatic EPH >C21-C35	mg/kg	11300	110.00	55.27	970.00	110.80
Aromatic EPH >C35-C44	mg/kg	11300	95.00	18.22	93.00	62.74
Total Aromatic Hydrocarbons	mg/kg	0	62.00	92.19	1900.00	0.00
Total Petroleum Hydrocarbons	mg/kg	0	101.00	223.51	1900.00	0.00
Organic Matter	%	0	103.00	4.75	24.00	0.00
Naphthalene	mg/kg	27	97.00	0.33	2.90	1.72
Acenaphthylene	mg/kg	16.7	78.00	0.20	1.73	0.81
Acenaphthene	mg/kg	30	75.00	0.04	0.29	0.10
Fluorene	mg/kg	27	85.00	0.14	1.50	0.50
Phenanthrene	mg/kg	27	105.00	1.08	10.10	3.54
Anthracene	mg/kg	34	91.00	0.35	4.64	1.14
Fluoranthene	mg/kg	6.64	113.00	2.05	23.30	7.16

Pyrene	mg/kg	76	113.00	1.63	15.30	6.24
Benzo[a]anthracene	mg/kg	607	112.00	1.11	10.10	4.94
Chrysene	mg/kg	621	112.00	1.06	8.60	4.66
Benzo[b]fluoranthene	mg/kg	3.42	112.00	1.61	11.70	6.93
Benzo[k]fluoranthene	mg/kg	5.05	112.00	0.54	4.12	2.32
Benzo[a]pyrene	mg/kg	34	112.00	1.15	7.85	4.72
Indeno(1,2,3-c,d)Pyrene	mg/kg	25	112.00	0.90	5.70	3.55
Dibenz(a,h)Anthracene	mg/kg	838	89.00	0.22	1.39	0.77
Benzo[g,h,i]perylene	mg/kg	13	112.00	0.82	5.23	3.11
Total Of 16 PAH's	mg/kg	0	113.00	12.89	112.00	0.00
Resorcinol	mg/kg	0	9.00	0.15	0.36	0.00
Phenol	mg/kg	3.05	20.00	0.05	0.60	0.00
Cresols	mg/kg	0	20.00	0.03	0.40	0.00
Xylenols	mg/kg	0	9.00	0.02	0.14	0.00
1-Naphthol	mg/kg	0	9.00	0.17	0.48	0.00
Trimethylphenols	mg/kg	0	0.00	0.02	0.00	0.00
Total Phenols	mg/kg	0	8.00	0.04	0.05	0.00
Benzene	µg/kg	3800	1.00	82.91	0.01	180.00
Toluene	µg/kg	128000	0.00	70.09	0.00	140.00
Ethylbenzene	µg/kg	80000	0.00	40.09	0.00	80.00
m & p-Xylene	µg/kg	74000	0.00	100.09	0.00	200.00
o-Xylene	µg/kg	74000	0.00	100.09	0.00	200.00
Methyl Tert-Butyl Ether	µg/kg	0	0.00	100.09	0.00	0.00

For surface validation samples only

N Detects	Min	Mean	Max	95%ile	UCLmean
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For surface validation samples only

N Detects	Min	Mean	Max	95%ile	UCLmean
4	0.70	0.785714	1.30	1.24	0.355808
7	1.20	6.357143	11.00	10.7	3.424555
7	9900.00	40414.29	69000.00	66000	59920.2
7	4.30	12.32857	16.00	15.7	3.398717
7	0.19	0.731429	1.40	1.241	0.324974
7	17.00	111.5714	230.00	215	64.29765
7	760.00	7708.571	17000.00	15800	4976.803
7	7.70	30.67143	46.00	44.2	10.8032
6	0.10	0.198571	0.35	0.323	0.08076
7	7.40	29.05714	54.00	49.2	12.45988
7	19.00	100.2857	180.00	162	41.63923
7	0.43	1.761429	3.20	2.81	0.717787
7	22.00	135.1429	280.00	256	74.97109
7	63.00	283.2857	530.00	485	130.8926
0	0.00	0.05	0.00	0.05	#DIV/0!
0	0.00	0.05	0.00	0.05	#DIV/0!

5	0.30	0.295714	0.44	0.437	0.062133
6	2.50	2.9	3.80	3.74	0.513223
7	3.50	5.171429	7.40	6.95	1.074817
7	4.30	24.25714	100.00	77.5	29.1319
7	9.80	26.82857	46.00	42.4	10.41447
2	22.00	14	26.00	24.8	17.96929
7	21.00	66.42857	140.00	128	35.60307
0	0.00	0.05	0.00	0.05	#DIV/0!
0	0.00	0.05	0.00	0.05	#DIV/0!
0	0.00	0.05	0.00	0.05	#DIV/0!
7	1.20	3.814286	7.90	6.88	1.841368
5	1.60	16	93.00	67.23	44.1342
7	5.40	123.4857	740.00	535.4	233.2548
7	9.10	172.8714	970.00	712	302.386
7	2.60	19.42857	93.00	69	27.91803
7	27.00	334.5714	1900.00	1387	592.9595
7	54.00	394	1900.00	1429	573.7452
6	6.20	10.11667	13.00	13	2.909806
7	0.37	1.61	2.90	2.66	0.738405
5	0.30	0.494286	0.89	0.863	0.258958
2	0.10	0.107143	0.15	0.135	0.224616
5	0.20	0.312857	0.52	0.511	0.141004
7	0.57	2.438571	3.60	3.57	1.043331
6	0.43	0.8	1.50	1.41	0.379671
7	0.72	4.531429	7.40	7.4	6.810313

[illegible]

Selected analyses of verification samples that are above the SRV

Determinand	Fluroanthene	Fluroanthene	benzo(b)Fluoranthene	benzo(b)Fluoranthene
SRV	6.64	6.64	3.42	3.42
Units	mg/kg	mg/kg	mg/kg	mg/kg
Sample point	4C-SV2	4C-SV6	4C-SV2	4C-SV4
Concentration (mg/kg)	7.4	7.4	8.4	5.6
Thickness	0.1	0.1	0.1	0.1
Backfill zone	30/05/2022	21/04/2022	30/05/2022	B7
Backfill zone thickness	2.40	1.80	2.40	1.36
Fill average	1.28	0.40	0.95	0.97
UCL backfill	0.56	0.48	0.43	0.38
UCLmean backfill	1.84	0.89	1.38	1.35
Weighted average combined	1.56	0.84	1.29	1.26
Weighted UCL combined	0.62	0.92	0.72	0.62
Weighted UCL mean combined	2.18	1.77	2.00	1.88
Average combined	2.05	1.57	1.88	1.75
UCL mean combined	3.81	4.33	3.97	3.58

Formulae and inputs checked jwg, 30/05/25

benzo(b)Fluoranthene	3.42
mg/kg	
4C-SV6	
	8.7
	0.1
21/04/2022	
	1.80
	0.37
	0.33
	0.71
	0.89
	1.08
	1.98
	1.77
	5.04

backfill areas checked jwg, 30/05/25

Grid		
Layer Thickness (mm)	Level (mAOD)	Source
160	5.86	W98
300	5.7	W98
300	5.4	W98
300	5.1	W95
300	4.8	W97
Clay Level	4.50	
Average Grid Square Concentration		
Student 95%UCL		
Mean + Student 95%UCL		
Mean + Normal 95%UCL		

Backfill zone data taken from <4C ·
 Blue highlighted values checked ar
 Red highlighted values checked an

d Reference: B7			
	Average Iron (Total) mg/kg	Average Fluoranthene mg/kg	Average Benzo(b)fluoranthene mg/kg
	75950.00	1.28	0.89
	75950.00	1.28	0.89
	75950.00	1.28	0.89
	120750.00	2.77	1.55
	91066.67	0.65	0.64
	87933.33	1.45	0.97
	21631.71	0.87	0.38
	109565.05	2.32	1.35
	103203.72	2.07	1.24

Fill Area: 21/04/22 - S25, S2			
Layer Thick	Level (mAC	Source	
Layer 5 - 30	5.90	3a validated material (	
Layer 4 - 30	5.60	Q26 (4C-C5)	
Layer 3 - 30	5.30	P25 (4C-C5)	
Layer 2 - 30	5.00	Q25 (4C-E5)	
Layer 1 - 40	4.70	Q28 (4C-D6)	
Clay Level	4.10		
Average Grid Square Concentration			
Student 95%UCL			
Mean + Student 95%UCL			
Mean + Normal 95%UCL			

- HFC Distribution Sign Off Grids (May 25) For issue.xlsx>
 and correct against <4C Chemical Screening - HFC.xlsx> for averages of all values for given source
 and NOT correct against <4C Chemical Screening - HFC.xlsx> for averages of all values for given source

S26, S27, S28, S29		
Average Iron (Total) mg/kg	Average Fluoranthene mg/kg	Average Benzo(b)fluoranthene mg/kg
47822.22	0.15	0.65
240000	0.09	0.07
240000	0.09	0.07
171500.00	1.07	0.69
192500	0.63	0.40
178364.44	0.40	0.37
87598.65	0.48	0.33
265963.10	0.89	0.71
240202.58	0.74	0.61

Fill Area: 30/05/22 - O25, O26, O27				
Layer Thickness	Level (m)	Source		Average Iron (Total) mg/kg
Layer 8 - 300				
Layer 7 - 30	5.70	S29 (4C-F7)		216000.00
Layer 6 - 30	5.40	Q21		92800
Layer 5 - 30	5.10	Q21		92800
Layer 4 - 30	4.80	R125		127000.00
Layer 3 - 30	4.50	S26 (4C-F5)		271667
Layer 2 - 30	4.20	Q29 (4C-E7)		307333
Layer 1 - 40	3.90	R28 (4C-E6)		290000
Clay Level	3.30			
Average Grid Square Concentration				199657.10
Student 95%UCL				80720.35
Mean + Student 95%UCL				280377.44
Mean + Normal 95%UCL				276159.80

Average Fluoranthene mg/kg	Average Benzo(b)fluoranthene mg/kg
0.90	0.68
2.14	1.57
2.14	1.57
1.05	1.03
1.48	1.00
0.58	0.24
0.66	0.53
1.28	0.95
0.56	0.43
1.84	1.38
1.81	1.36