

LANDTEK LIMITED

Consulting Engineers



205 Nebo Road, Unit 3
Hamilton, Ontario
Canada
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MEMORANDUM

To: Court Holdings Limited c/o Ms. Tracy Murray, CFO

E-mail: tracymurray@courtholdings.com

Date: August 8, 2022

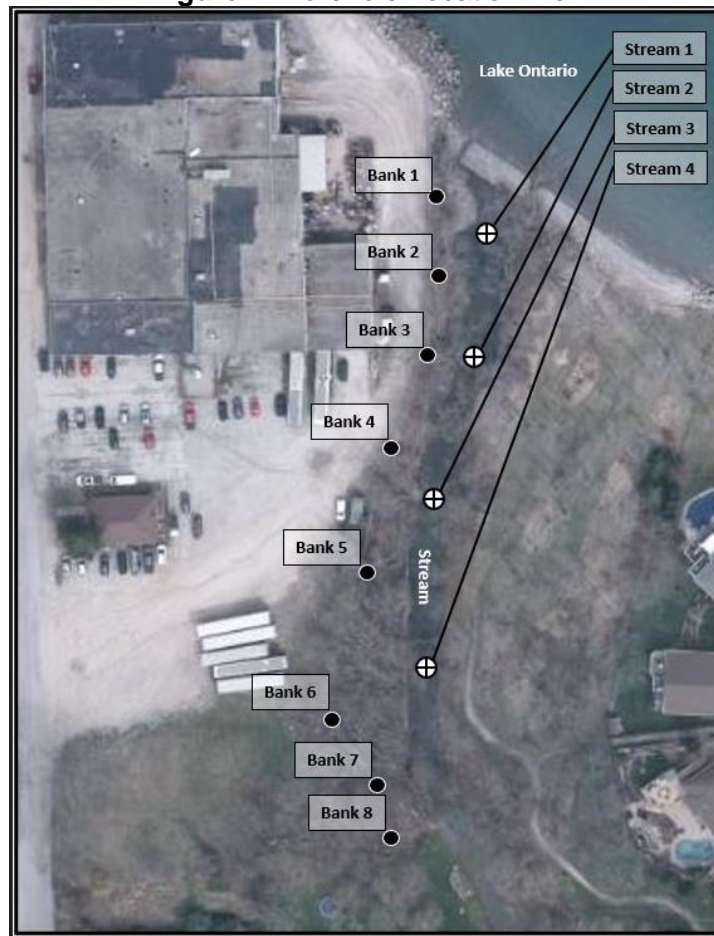
File #: 22122

SUBJECT: Chemical Analysis of Soils from the Stream and Associated Banks located at 4933 Victoria Avenue, Vineland, Ontario

The results of the chemical testing on fourteen (14) soil samples obtained by Landtek Limited (Landtek) from the stream bed and associated bank at 4933 Victoria Avenue, in Vineland, Ontario (the Site) on July 19, 2022 are attached with this memo.

Eight (8) test pits (Bank1, Bank2, Bank3, Bank4, Bank5, Bank6, Bank7, and Bank8) were hand augured on the banks of the stream and four (4) sediment samples (Stream1, Stream2, Stream3, and Stream4) were obtained from the stream bed, as shown on **Figure 1** below, on July 19, 2022 by the forces of Landtek.

Figure 1: Borehole Location Plan



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The samples were stored in a cooled environment and were delivered to Paracel Laboratories for chemical analysis of metals and inorganic parameters (M&I), petroleum hydrocarbons (PHCs), volatile organic compounds (VOCs), polyaromatic hydrocarbons (PAHs), OC Pesticides, and polychlorinated biphenyls (PCBs).

The results were compared against the Ontario Regulation 153/04 (O. Reg. 153/04) as outlined in the "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act":

1. O. Reg. 153/04 Table 1 Full Depth Background Site Condition Standards (SCS) for non-agricultural land uses for coarse grained soils (Table 1 SCS);
2. O. Reg. 153/04 Table 2 Full Depth Generic SCS for residential/parkland/institutional (R/P/I) land uses in a potable groundwater condition for coarse grained soils (Table 2 SCS); and,
3. O. Reg. 153/04 Table 3 Full Depth Generic SCS R/P/I land uses in a non-potable groundwater condition for coarse grained soils (Table 3 SCS).

Table 1: Schedule of Chemical Analyses and Summary of Test Results for Soils

Sample	Sample Depth (m bgs)	Analyses	Exceedances		
			Table 1 SCS (non-agricultural)	Table 2 SCS (R/P/I)	Table 3 SCS (R/P/I)
Bank1	0.4 – 0.8	M&I, PHCs, VOCs, PAHs, OC Pesticides, and PCBs	Cadmium Molybdenum Zinc PHC F4	Cadmium Zinc	Cadmium Zinc
Bank2	0.4 – 0.8	M&I, PHCs, VOCs, PAHs, OC Pesticides, and PCBs	No Exceedances	No Exceedances	No Exceedances
Bank3	0.4 – 0.8	M&I, PHCs, VOCs, PAHs, OC Pesticides, and PCBs	No Exceedances	No Exceedances	No Exceedances
Bank4 (Bank4 DUP)	0.4 – 0.8	M&I, PHCs, VOCs, PAHs, OC Pesticides, and PCBs	SAR Cadmium Zinc	Cadmium Zinc	Cadmium Zinc
Bank5	0.4 – 0.8	M&I, PHCs, VOCs, PAHs, OC Pesticides, and PCBs	Zinc	Zinc	Zinc
Bank6	0.4 – 0.8	M&I, PHCs, VOCs, PAHs, OC Pesticides, and PCBs	No Exceedances	No Exceedances	No Exceedances

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Sample	Sample Depth (m bgs)	Analyses	Exceedances		
			Table 1 SCS (non-agricultural)	Table 2 SCS (R/P/I)	Table 3 SCS (R/P/I)
Bank7	0.4 – 0.8	M&I, PHCs, VOCs, PAHs, OC Pesticides, and PCBs	Anthracene Benzo [a] anthracene Benzo [a] pyrene Fluoranthene DDE	Benzo [a] pyrene Fluoranthene	Benzo [a] pyrene Fluoranthene
Bank8	0.4 – 0.8	M&I, PHCs, VOCs, PAHs, OC Pesticides, and PCBs	Lead PHC F4 Acenaphthylene Chlordane DDE PCBs (total)	Lead Chlordane PCBs (total)	Lead Chlordane PCBs (total)
Stream1	0.3 – 0.6	M&I, PHCs, VOCs, PAHs, OC Pesticides, and PCBs	No Exceedances	No Exceedances	No Exceedances
Stream2	0.3 – 0.6	M&I, PHCs, VOCs, PAHs, OC Pesticides, and PCBs	EC PHC F4 Benzo(a)pyrene Fluoranthene DDE	Benzo(a)pyrene Fluoranthene	Benzo(a)pyrene Fluoranthene
Stream3 (Stream 3 DUP)	0.3 – 0.6	M&I, PHCs, VOCs, PAHs, OC Pesticides, and PCBs	SAR EC PHC F4 Anthracene Benzo [a] anthracene Benzo [a] pyrene Fluoranthene Indeno [1,2,3-cd] pyrene Phenanthrene	SAR EC Benzo [a] anthracene Benzo [a] pyrene Fluoranthene	SAR EC Benzo [a] anthracene Benzo [a] pyrene Fluoranthene
Stream4	0.3 – 0.6	M&I, PHCs, VOCs, PAHs, OC Pesticides, and PCBs	Molybdenum Uranium PHC F4	No Exceedances	No Exceedances

** Sample results compared with Soil, Ground Water, and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 2011.

M&I – Metals and Inorganic Parameters

SAR – Sodium Absorption Ratio

EC – Electrical Conductivity

PHCs - Petroleum Hydrocarbons

VOCs – Volatile Organic Compounds

PAHs – Polyaromatic Hydrocarbons

PCBs - Polychlorinated Biphenyls

OC Pesticides - Organochlorine Pesticide

residential/parkland/institutional land use (R/P/I)

non-agricultural - residential/parkland/institutional/industrial/commercial/community

m bgs – meters below ground surface

SCS – Site Condition Standard

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There were exceedances for various parameters to O. Reg. 153/04 Table 1 SCS for residential/parkland/institutional/industrial/commercial/community land uses, and to both O. Reg. 153/04 Table 2 SCS and O. Reg. 153/04 Table 3 SCS for R/P/I land uses.

I trust this is satisfactory for your purposes at this time. Please call me if you have any questions.

Regards,

LANDTEK LIMITED

Nicole Harper, B.Sc.

Paul Blunt, P.Eng., Q.P.E.S.A

Attachments: Parcel Laboratories Chemical Testing Results

Certificate of Analysis

Landtek Limited

205 Nebo Road, Unit 3
Hamilton, ON L8W 2E1
Attn: Rachel Hlywka

Client PO: 22122

Project: 22122

Custody: 67565, 540

Report Date: 28-Jul-2022

Order Date: 21-Jul-2022

Order #: 2230337

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Parcel ID	Client ID	Parcel ID	Client ID
2230337-01	Stream 1		
2230337-02	Stream 2		
2230337-03	Stream 3		
2230337-04	Stream 3 Dup		
2230337-05	Stream 4		
2230337-06	Bank 1		
2230337-07	Bank 2		
2230337-08	Bank 3		
2230337-09	Bank 4		
2230337-10	Bank 4 Dup		
2230337-11	Bank 5		
2230337-12	Bank 6		
2230337-13	Bank 7		
2230337-14	Bank 8		

Approved By:



Alex Enfield, MSc

Lab Manager

Certificate of Analysis

Report Date: 28-Jul-2022

Client: Landtek Limited

Order Date: 21-Jul-2022

Client PO: 22122

Project Description: 22122

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
Boron, available	MOE (HWE), EPA 200.8 - ICP-MS	26-Jul-22	26-Jul-22
Chromium, hexavalent - soil	MOE E3056 - Extraction, colourimetric	22-Jul-22	25-Jul-22
Conductivity	MOE E3138 - probe @25 °C, water ext	27-Jul-22	27-Jul-22
Cyanide, free	MOE E3015 - Auto Colour, water extraction	23-Jul-22	23-Jul-22
Mercury by CVAA	EPA 7471B - CVAA, digestion	27-Jul-22	27-Jul-22
PCBs, total	SW846 8082A - GC-ECD	22-Jul-22	25-Jul-22
PHC F1	CWS Tier 1 - P&T GC-FID	21-Jul-22	22-Jul-22
PHCs F2 to F4	CWS Tier 1 - GC-FID, extraction	22-Jul-22	27-Jul-22
REG 153: Metals by ICP/MS, soil	EPA 6020 - Digestion - ICP-MS	26-Jul-22	27-Jul-22
REG 153: PAHs by GC-MS	EPA 8270 - GC-MS, extraction	26-Jul-22	27-Jul-22
REG 153: Pesticides, OC	EPA 8081B - GC-ECD	22-Jul-22	27-Jul-22
REG 153: pH, soil	EPA 150.1 - pH probe @ 25 °C, CaCl buffered ext.	25-Jul-22	26-Jul-22
REG 153: VOCs by P&T GC-MS	EPA 8260 - P&T GC-MS	21-Jul-22	22-Jul-22
SAR	Calculated	27-Jul-22	27-Jul-22
Solids, %	Gravimetric, calculation	25-Jul-22	25-Jul-22

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Client PO: 22122

Project Description: 22122

Summary of Criteria Exceedances

(If this page is blank then there are no exceedances)

Only those criteria that a sample exceeds will be highlighted in red

Regulatory Comparison:

Paracel Laboratories has provided regulatory guidelines on this report for informational purposes only and makes no representations or warranties that the data is accurate or reflects the current regulatory values. The user is advised to consult with the appropriate official regulations to evaluate compliance. Sample results that are highlighted have exceeded the selected regulatory limit. Calculated uncertainty estimations have not been applied for determining regulatory exceedances.

Sample	Analyte	MDL / Units	Result	Reg 153/04 -T1 Res	-
Stream 2	Conductivity	5 uS/cm	612	0.57 mS/cm	-
Stream 2	F4 PHCs (C34-C50)	6 ug/g	267	120 ug/g	-
Stream 2	Benzo [a] pyrene	0.02 ug/g	0.37	0.3 ug/g	-
Stream 2	Fluoranthene	0.02 ug/g	0.75	0.56 ug/g	-
Stream 2	DDE	0.01 ug/g	0.06	0.05 ug/g	-
Stream 3	SAR	0.01 N/A	5.01	2.4 N/A	-
Stream 3	Conductivity	5 uS/cm	873	0.57 mS/cm	-
Stream 3	F4 PHCs (C34-C50)	6 ug/g	330	120 ug/g	-
Stream 3	Anthracene	0.02 ug/g	0.25	0.16 ug/g	-
Stream 3	Benzo [a] anthracene	0.02 ug/g	0.60	0.36 ug/g	-
Stream 3	Benzo [a] pyrene	0.02 ug/g	0.53	0.3 ug/g	-
Stream 3	Fluoranthene	0.02 ug/g	1.42	0.56 ug/g	-
Stream 3	Indeno [1,2,3-cd] pyrene	0.02 ug/g	0.29	0.23 ug/g	-
Stream 3	Phenanthrene	0.02 ug/g	0.77	0.69 ug/g	-
Stream 4	Molybdenum	1 ug/g	2.1	2 ug/g	-
Stream 4	Uranium	1 ug/g	4.2	2.5 ug/g	-
Stream 4	F4 PHCs (C34-C50)	6 ug/g	238	120 ug/g	-
Bank 1	Cadmium	0.5 ug/g	1.6	1.2 ug/g	-
Bank 1	Molybdenum	1 ug/g	2.4	2 ug/g	-
Bank 1	Zinc	20 ug/g	492	290 ug/g	-
Bank 1	F4 PHCs (C34-C50)	6 ug/g	174	120 ug/g	-
Bank 4	SAR	0.01 N/A	2.42	2.4 N/A	-

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Summary of Criteria Exceedances

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Regulatory Comparison:

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Sample	Analyte	MDL / Units	Result	Reg 153/04 -T1 Res	-
Bank 4	Cadmium	0.5 ug/g	1.3	1.2 ug/g	-
Bank 4	Zinc	20 ug/g	395	290 ug/g	-
Bank 5	Zinc	20 ug/g	426	290 ug/g	-
Bank 7	Anthracene	0.02 ug/g	0.19	0.16 ug/g	-
Bank 7	Benzo [a] anthracene	0.02 ug/g	0.42	0.36 ug/g	-
Bank 7	Benzo [a] pyrene	0.02 ug/g	0.38	0.3 ug/g	-
Bank 7	Fluoranthene	0.02 ug/g	0.90	0.56 ug/g	-
Bank 7	DDE	0.01 ug/g	0.11	0.05 ug/g	-
Bank 8	Lead	1 ug/g	177	120 ug/g	-
Bank 8	F4 PHCs (C34-C50)	6 ug/g	142	120 ug/g	-
Bank 8	Acenaphthylene	0.02 ug/g	0.14	0.093 ug/g	-
Bank 8	Chlordane	0.01 ug/g	0.15	0.05 ug/g	-
Bank 8	DDE	0.01 ug/g	0.06	0.05 ug/g	-
Bank 8	PCBs, total	0.05 ug/g	4.38	0.3 ug/g	-

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Client: Landtek Limited

Order Date: 21-Jul-2022

Client PO: 22122

Project Description: 22122

Client ID:	Stream 1	Stream 2	Stream 3	Stream 3 Dup	Criteria:
Sample Date:	19-Jul-22 09:00	19-Jul-22 09:00	19-Jul-22 09:00	19-Jul-22 09:00	Reg 153/04 -T1 Res -
Sample ID:	2230337-01	2230337-02	2230337-03	2230337-04	
Matrix:	Soil	Soil	Soil	Soil	
MDL/Units					

Physical Characteristics

% Solids	0.1 % by Wt.	83.6	57.2	49.0	-	-
% Solids	0.1 % by Wt.	-	-	-	52.0	-

General Inorganics

SAR	0.01 N/A	1.03	1.56	5.01	-	2.4 N/A -
Conductivity	5 uS/cm	325	612	873	-	0.57 mS/cm -
Cyanide, free	0.03 ug/g	<0.03	<0.03	<0.03	-	0.051 ug/g -
pH	0.05 pH Units	7.35	6.98	7.04	-	5.00 - 9.00 pH Units -

Metals

Antimony	1 ug/g	<1.0	<1.0	<1.0	<1.0	1.3 ug/g -
Arsenic	1 ug/g	3.6	2.6	7.5	3.9	18 ug/g -
Barium	1 ug/g	57.2	38.1	96.6	59.9	220 ug/g -
Beryllium	0.5 ug/g	<0.5	<0.5	<0.5	<0.5	2.5 ug/g -
Boron, available	0.5 ug/g	<0.5	<0.5	1.5	<0.5	- -
Boron	5 ug/g	<5.0	<5.0	<5.0	<5.0	36 ug/g -
Cadmium	0.5 ug/g	<0.5	<0.5	<0.5	<0.5	1.2 ug/g -
Chromium	5 ug/g	14.4	11.1	24.5	14.4	70 ug/g -
Chromium (VI)	0.2 ug/g	<0.2	<0.2	<0.2	<0.2	0.66 ug/g -
Cobalt	1 ug/g	5.4	4.6	9.6	6.1	21 ug/g -
Copper	5 ug/g	17.0	16.5	38.4	21.8	92 ug/g -
Lead	1 ug/g	46.8	16.4	36.4	20.4	120 ug/g -
Mercury	0.1 ug/g	<0.1	<0.1	<0.1	<0.1	0.27 ug/g -
Molybdenum	1 ug/g	1.0	<1.0	1.2	<1.0	2 ug/g -
Nickel	5 ug/g	9.1	7.3	17.7	11.1	82 ug/g -
Selenium	1 ug/g	<1.0	<1.0	<1.0	<1.0	1.5 ug/g -
Silver	0.3 ug/g	<0.3	<0.3	<0.3	<0.3	0.5 ug/g -

Certificate of Analysis

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Client PO: 22122

Project Description: 22122

Client ID:	Stream 1	Stream 2	Stream 3	Stream 3 Dup	Criteria:
Sample Date:	19-Jul-22 09:00	19-Jul-22 09:00	19-Jul-22 09:00	19-Jul-22 09:00	Reg 153/04 -T1 Res
Sample ID:	2230337-01	2230337-02	2230337-03	2230337-04	-
Matrix:	Soil	Soil	Soil	Soil	
MDL/Units					

Metals

Thallium	1 ug/g	<1.0	<1.0	<1.0	<1.0	1 ug/g	-
Uranium	1 ug/g	<1.0	<1.0	<1.0	<1.0	2.5 ug/g	-
Vanadium	10 ug/g	23.9	15.1	30.4	21.7	86 ug/g	-
Zinc	20 ug/g	108	98.6	217	149	290 ug/g	-

Volatiles

Acetone	0.5 ug/g	<0.50	<0.50	<0.50	-	0.5 ug/g	-
Benzene	0.02 ug/g	<0.02	<0.02	<0.02	-	0.02 ug/g	-
Bromodichloromethane	0.05 ug/g	<0.05	<0.05	<0.05	-	0.05 ug/g	-
Bromoform	0.05 ug/g	<0.05	<0.05	<0.05	-	0.05 ug/g	-
Bromomethane	0.05 ug/g	<0.05	<0.05	<0.05	-	0.05 ug/g	-
Carbon Tetrachloride	0.05 ug/g	<0.05	<0.05	<0.05	-	0.05 ug/g	-
Chlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	-	0.05 ug/g	-
Chloroform	0.05 ug/g	<0.05	<0.05	<0.05	-	0.05 ug/g	-
Dibromochloromethane	0.05 ug/g	<0.05	<0.05	<0.05	-	0.05 ug/g	-
Dichlorodifluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	-	0.05 ug/g	-
1,2-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	-	0.05 ug/g	-
1,3-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	-	0.05 ug/g	-
1,4-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	-	0.05 ug/g	-
1,1-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	-	0.05 ug/g	-
1,2-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	-	0.05 ug/g	-
1,1-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	-	0.05 ug/g	-
cis-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	-	0.05 ug/g	-
trans-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	-	0.05 ug/g	-
1,2-Dichloropropane	0.05 ug/g	<0.05	<0.05	<0.05	-	0.05 ug/g	-
cis-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-

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Client PO: 22122

Project Description: 22122

Client ID:	Stream 1	Stream 2	Stream 3	Stream 3 Dup	Criteria:
Sample Date:	19-Jul-22 09:00	19-Jul-22 09:00	19-Jul-22 09:00	19-Jul-22 09:00	Reg 153/04 -T1 Res -
Sample ID:	2230337-01	2230337-02	2230337-03	2230337-04	
Matrix:	Soil	Soil	Soil	Soil	
MDL/Units					

Volatiles

	Stream 1	Stream 2	Stream 3	Stream 3 Dup	Criteria
trans-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	-	-
1,3-Dichloropropene, total	0.05 ug/g	<0.05	<0.05	-	0.05 ug/g
Ethylbenzene	0.05 ug/g	<0.05	<0.05	-	0.05 ug/g
Ethylene dibromide (dibromoethane,	0.05 ug/g	<0.05	<0.05	-	0.05 ug/g
Hexane	0.05 ug/g	<0.05	<0.05	-	0.05 ug/g
Methyl Ethyl Ketone (2-Butanone)	0.5 ug/g	<0.50	<0.50	-	0.5 ug/g
Methyl Isobutyl Ketone	0.5 ug/g	<0.50	<0.50	-	0.5 ug/g
Methyl tert-butyl ether	0.05 ug/g	<0.05	<0.05	-	0.05 ug/g
Methylene Chloride	0.05 ug/g	<0.05	<0.05	-	0.05 ug/g
Styrene	0.05 ug/g	<0.05	<0.05	-	0.05 ug/g
1,1,1,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	-	0.05 ug/g
1,1,2,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	-	0.05 ug/g
Tetrachloroethylene	0.05 ug/g	<0.05	<0.05	-	0.05 ug/g
Toluene	0.05 ug/g	<0.05	0.20	-	0.2 ug/g
1,1,1-Trichloroethane	0.05 ug/g	<0.05	<0.05	-	0.05 ug/g
1,1,2-Trichloroethane	0.05 ug/g	<0.05	<0.05	-	0.05 ug/g
Trichloroethylene	0.05 ug/g	<0.05	<0.05	-	0.05 ug/g
Trichlorofluoromethane	0.05 ug/g	<0.05	<0.05	-	0.25 ug/g
Vinyl chloride	0.02 ug/g	<0.02	<0.02	-	0.02 ug/g
m,p-Xylenes	0.05 ug/g	<0.05	<0.05	-	-
o-Xylene	0.05 ug/g	<0.05	<0.05	-	-
Xylenes, total	0.05 ug/g	<0.05	<0.05	-	0.05 ug/g
Dibromofluoromethane	Surrogate	76.8%	74.8%	76.6%	-
4-Bromofluorobenzene	Surrogate	96.1%	91.0%	90.6%	-
Toluene-d8	Surrogate	111%	104%	105%	-

Certificate of Analysis

Report Date: 28-Jul-2022

Client: Landtek Limited

Order Date: 21-Jul-2022

Client PO: 22122

Project Description: 22122

Client ID:	Stream 1	Stream 2	Stream 3	Stream 3 Dup	Criteria:
Sample Date:	19-Jul-22 09:00	19-Jul-22 09:00	19-Jul-22 09:00	19-Jul-22 09:00	Reg 153/04 -T1 Res -
Sample ID:	2230337-01	2230337-02	2230337-03	2230337-04	
Matrix:	Soil	Soil	Soil	Soil	
MDL/Units					

Hydrocarbons

F1 PHCs (C6-C10)	7 ug/g	<7	<7	<7	-	25 ug/g	-
F2 PHCs (C10-C16)	4 ug/g	<4	<4	<4	-	10 ug/g	-
F3 PHCs (C16-C34)	8 ug/g	<8	132	186	-	240 ug/g	-
F4 PHCs (C34-C50)	6 ug/g	<6	267	330	-	120 ug/g	-

Semi-Volatiles

Acenaphthene	0.02 ug/g	<0.02	0.06	0.05	-	0.072 ug/g	-
Acenaphthylene	0.02 ug/g	<0.02	<0.02	0.09	-	0.093 ug/g	-
Anthracene	0.02 ug/g	<0.02	0.16	0.25	-	0.16 ug/g	-
Benzo [a] anthracene	0.02 ug/g	<0.02	0.35	0.60	-	0.36 ug/g	-
Benzo [a] pyrene	0.02 ug/g	<0.02	0.37	0.53	-	0.3 ug/g	-
Benzo [b] fluoranthene	0.02 ug/g	<0.02	0.24	0.35	-	0.47 ug/g	-
Benzo [g,h,i] perylene	0.02 ug/g	<0.02	0.19	0.23	-	0.68 ug/g	-
Benzo [k] fluoranthene	0.02 ug/g	<0.02	0.14	0.24	-	0.48 ug/g	-
Chrysene	0.02 ug/g	<0.02	0.27	0.47	-	2.8 ug/g	-
Dibenzo [a,h] anthracene	0.02 ug/g	<0.02	0.05	0.07	-	0.1 ug/g	-
Fluoranthene	0.02 ug/g	0.03	0.75	1.42	-	0.56 ug/g	-
Fluorene	0.02 ug/g	<0.02	0.05	0.10	-	0.12 ug/g	-
Indeno [1,2,3-cd] pyrene	0.02 ug/g	<0.02	0.21	0.29	-	0.23 ug/g	-
1-Methylnaphthalene	0.02 ug/g	<0.02	<0.02	<0.02	-	0.59 ug/g	-
2-Methylnaphthalene	0.02 ug/g	<0.02	<0.02	<0.02	-	0.59 ug/g	-
Methylnaphthalene (1&2)	0.03 ug/g	<0.03	<0.03	<0.03	-	0.59 ug/g	-
Naphthalene	0.01 ug/g	<0.01	0.03	0.03	-	0.09 ug/g	-
Phenanthrene	0.02 ug/g	<0.02	0.51	0.77	-	0.69 ug/g	-
Pyrene	0.02 ug/g	<0.02	0.51	0.89	-	1 ug/g	-
2-Fluorobiphenyl	Surrogate	70.4%	55.3%	63.8%	-	-	-

Certificate of Analysis

Report Date: 28-Jul-2022

Client: Landtek Limited

Order Date: 21-Jul-2022

Client PO: 22122

Project Description: 22122

Client ID:	Stream 1	Stream 2	Stream 3	Stream 3 Dup	Criteria:
Sample Date:	19-Jul-22 09:00	19-Jul-22 09:00	19-Jul-22 09:00	19-Jul-22 09:00	Reg 153/04 -T1 Res -
Sample ID:	2230337-01	2230337-02	2230337-03	2230337-04	
Matrix:	Soil	Soil	Soil	Soil	
MDL/Units					

Semi-Volatiles

Terphenyl-d14	Surrogate	67.1%	54.8%	61.4%	-	-
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Pesticides, OC

Aldrin	0.01 ug/g	<0.01	<0.01	<0.01	-	0.05 ug/g	-
gamma-BHC (Lindane)	0.01 ug/g	<0.01	<0.01	<0.01	-	0.01 ug/g	-
alpha-Chlordane	0.01 ug/g	<0.01	<0.01	<0.01	-	-	-
gamma-Chlordane	0.01 ug/g	<0.01	<0.01	<0.01	-	-	-
Chlordane	0.01 ug/g	<0.01	<0.01	<0.01	-	0.05 ug/g	-
o,p'-DDD	0.01 ug/g	<0.01	<0.01	<0.01	-	-	-
p,p'-DDD	0.02 ug/g	<0.02	<0.02	<0.02	-	-	-
DDD	0.02 ug/g	<0.02	<0.02	<0.02	-	0.05 ug/g	-
o,p'-DDE	0.01 ug/g	<0.01	<0.01	<0.01	-	-	-
p,p'-DDE	0.01 ug/g	<0.01	0.05	<0.01	-	-	-
DDE	0.01 ug/g	<0.01	0.06	<0.01	-	0.05 ug/g	-
o,p'-DDT	0.01 ug/g	<0.01	<0.01	<0.01	-	-	-
p,p'-DDT	0.01 ug/g	<0.01	<0.01	<0.01	-	-	-
DDT	0.01 ug/g	<0.01	<0.01	<0.01	-	1.4 ug/g	-
Dieldrin	0.02 ug/g	<0.02	<0.02	<0.02	-	0.05 ug/g	-
Endrin	0.02 ug/g	<0.02	<0.02	<0.02	-	0.04 ug/g	-
Endosulfan I	0.01 ug/g	<0.01	<0.01	<0.01	-	-	-
Endosulfan II	0.02 ug/g	<0.02	<0.02	<0.02	-	-	-
Heptachlor	0.01 ug/g	<0.01	<0.01	<0.01	-	0.05 ug/g	-
Heptachlor epoxide	0.01 ug/g	<0.01	<0.01	<0.01	-	0.04 ug/g	-
Hexachlorobenzene	0.01 ug/g	<0.01	<0.01	<0.01	-	0.01 ug/g	-
Hexachlorobutadiene	0.01 ug/g	<0.01	<0.01	<0.01	-	0.01 ug/g	-
Hexachloroethane	0.01 ug/g	<0.01	<0.01	<0.01	-	0.01 ug/g	-

Certificate of Analysis

Report Date: 28-Jul-2022

Client: Landtek Limited

Order Date: 21-Jul-2022

Client PO: 22122

Project Description: 22122

Client ID:	Stream 1	Stream 2	Stream 3	Stream 3 Dup	Criteria:
Sample Date:	19-Jul-22 09:00	19-Jul-22 09:00	19-Jul-22 09:00	19-Jul-22 09:00	Reg 153/04 -T1 Res
Sample ID:	2230337-01	2230337-02	2230337-03	2230337-04	-
Matrix:	Soil	Soil	Soil	Soil	
MDL/Units					

Pesticides, OC

Methoxychlor	0.01 ug/g	<0.01	<0.01	<0.01	-	0.05 ug/g	-
Decachlorobiphenyl	Surrogate	84.2%	99.9%	94.5%	-	-	-

PCBs

PCBs, total	0.05 ug/g	<0.05	<0.05	<0.05	-	0.3 ug/g	-
Decachlorobiphenyl	Surrogate	103%	106%	105%	-	-	-

Certificate of Analysis

Report Date: 28-Jul-2022

Client: Landtek Limited

Order Date: 21-Jul-2022

Client PO: 22122

Project Description: 22122

Client ID:	Stream 4	Bank 1	Bank 2	Bank 3	Criteria:
Sample Date:	19-Jul-22 09:00	19-Jul-22 09:00	19-Jul-22 09:00	19-Jul-22 09:00	Reg 153/04 -T1 Res
Sample ID:	2230337-05	2230337-06	2230337-07	2230337-08	-
Matrix:	Soil	Soil	Soil	Soil	
MDL/Units					

Physical Characteristics

% Solids	0.1 % by Wt.	48.9	92.4	94.6	94.9	-	-
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General Inorganics

SAR	0.01 N/A	1.04	1.92	0.11	0.77	2.4 N/A	-
Conductivity	5 uS/cm	382	437	110	172	0.57 mS/cm	-
Cyanide, free	0.03 ug/g	<0.03	<0.03	<0.03	<0.03	0.051 ug/g	-
pH	0.05 pH Units	7.02	7.60	7.57	7.60	5.00 - 9.00 pH Units	-

Metals

Antimony	1 ug/g	<1.0	<1.0	<1.0	<1.0	1.3 ug/g	-
Arsenic	1 ug/g	8.4	5.1	3.6	3.9	18 ug/g	-
Barium	1 ug/g	82.7	39.8	57.9	67.7	220 ug/g	-
Beryllium	0.5 ug/g	<0.5	<0.5	<0.5	<0.5	2.5 ug/g	-
Boron, available	0.5 ug/g	<0.5	0.9	<0.5	<0.5	-	-
Boron	5 ug/g	6.6	9.1	<5.0	<5.0	36 ug/g	-
Cadmium	0.5 ug/g	<0.5	1.6	<0.5	<0.5	1.2 ug/g	-
Chromium	5 ug/g	22.3	17.8	10.0	8.9	70 ug/g	-
Chromium (VI)	0.2 ug/g	<0.2	<0.2	<0.2	<0.2	0.66 ug/g	-
Cobalt	1 ug/g	12.8	3.4	4.5	5.0	21 ug/g	-
Copper	5 ug/g	22.6	28.9	22.5	19.3	92 ug/g	-
Lead	1 ug/g	33.6	74.6	12.2	4.7	120 ug/g	-
Mercury	0.1 ug/g	<0.1	<0.1	<0.1	<0.1	0.27 ug/g	-
Molybdenum	1 ug/g	2.1	2.4	<1.0	<1.0	2 ug/g	-
Nickel	5 ug/g	21.9	6.9	6.5	6.6	82 ug/g	-
Selenium	1 ug/g	1.4	<1.0	<1.0	<1.0	1.5 ug/g	-
Silver	0.3 ug/g	0.3	<0.3	<0.3	<0.3	0.5 ug/g	-
Thallium	1 ug/g	<1.0	<1.0	<1.0	<1.0	1 ug/g	-

Certificate of Analysis

Report Date: 28-Jul-2022

Client: Landtek Limited

Order Date: 21-Jul-2022

Client PO: 22122

Project Description: 22122

Client ID:	Stream 4	Bank 1	Bank 2	Bank 3	Criteria:
Sample Date:	19-Jul-22 09:00	19-Jul-22 09:00	19-Jul-22 09:00	19-Jul-22 09:00	Reg 153/04 -T1 Res -
Sample ID:	2230337-05	2230337-06	2230337-07	2230337-08	
Matrix:	Soil	Soil	Soil	Soil	
MDL/Units					

Metals

	MDL/Units	Stream 4	Bank 1	Bank 2	Bank 3	Criteria
Uranium	1 ug/g	4.2	<1.0	<1.0	<1.0	2.5 ug/g -
Vanadium	10 ug/g	39.8	<10.0	17.5	19.9	86 ug/g -
Zinc	20 ug/g	146	492	68.3	35.5	290 ug/g -

Volatiles

	MDL/Units	Stream 4	Bank 1	Bank 2	Bank 3	Criteria
Acetone	0.5 ug/g	<0.50	<0.50	<0.50	<0.50	0.5 ug/g -
Benzene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.02 ug/g -
Bromodichloromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g -
Bromoform	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g -
Bromomethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g -
Carbon Tetrachloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g -
Chlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g -
Chloroform	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g -
Dibromochloromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g -
Dichlorodifluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g -
1,2-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g -
1,3-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g -
1,4-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g -
1,1-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g -
1,2-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g -
1,1-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g -
cis-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g -
trans-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g -
1,2-Dichloropropane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g -
cis-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	- -
trans-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	- -

Certificate of Analysis

Report Date: 28-Jul-2022

Client: Landtek Limited

Order Date: 21-Jul-2022

Client PO: 22122

Project Description: 22122

Client ID:	Stream 4	Bank 1	Bank 2	Bank 3	Criteria:
Sample Date:	19-Jul-22 09:00	19-Jul-22 09:00	19-Jul-22 09:00	19-Jul-22 09:00	Reg 153/04 -T1 Res -
Sample ID:	2230337-05	2230337-06	2230337-07	2230337-08	
Matrix:	Soil	Soil	Soil	Soil	
MDL/Units					

Volatiles

1,3-Dichloropropene, total	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Ethylbenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Ethylene dibromide (dibromoethane,	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Hexane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Methyl Ethyl Ketone (2-Butanone)	0.5 ug/g	<0.50	<0.50	<0.50	<0.50	0.5 ug/g	-
Methyl Isobutyl Ketone	0.5 ug/g	<0.50	<0.50	<0.50	<0.50	0.5 ug/g	-
Methyl tert-butyl ether	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Methylene Chloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Styrene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
1,1,1,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
1,1,2,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Tetrachloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Toluene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.2 ug/g	-
1,1,1-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
1,1,2-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Trichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Trichlorofluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.25 ug/g	-
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.02 ug/g	-
m,p-Xylenes	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
o-Xylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Xylenes, total	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Dibromofluoromethane	Surrogate	77.4%	90.9%	83.5%	81.3%	-	-
4-Bromofluorobenzene	Surrogate	90.2%	94.6%	90.7%	90.3%	-	-
Toluene-d8	Surrogate	105%	104%	105%	103%	-	-

Hydrocarbons

Certificate of Analysis

Report Date: 28-Jul-2022

Client: Landtek Limited

Order Date: 21-Jul-2022

Client PO: 22122

Project Description: 22122

Client ID:	Stream 4	Bank 1	Bank 2	Bank 3	Criteria:
Sample Date:	19-Jul-22 09:00	19-Jul-22 09:00	19-Jul-22 09:00	19-Jul-22 09:00	Reg 153/04 -T1 Res -
Sample ID:	2230337-05	2230337-06	2230337-07	2230337-08	
Matrix:	Soil	Soil	Soil	Soil	
MDL/Units					

Hydrocarbons

	Stream 4	Bank 1	Bank 2	Bank 3	Criteria	
F1 PHCs (C6-C10)	7 ug/g	<7	<7	<7	25 ug/g -	
F2 PHCs (C10-C16)	4 ug/g	<4	<4	<4	10 ug/g -	
F3 PHCs (C16-C34)	8 ug/g	84	123	21	18	240 ug/g -
F4 PHCs (C34-C50)	6 ug/g	238	174	<6	<6	120 ug/g -

Semi-Volatiles

	Stream 4	Bank 1	Bank 2	Bank 3	Criteria	
Acenaphthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.072 ug/g -
Acenaphthylene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.093 ug/g -
Anthracene	0.02 ug/g	<0.02	<0.02	0.03	<0.02	0.16 ug/g -
Benzo [a] anthracene	0.02 ug/g	0.04	0.06	0.09	<0.02	0.36 ug/g -
Benzo [a] pyrene	0.02 ug/g	0.05	0.06	0.07	<0.02	0.3 ug/g -
Benzo [b] fluoranthene	0.02 ug/g	0.04	0.05	0.05	<0.02	0.47 ug/g -
Benzo [g,h,i] perylene	0.02 ug/g	0.04	0.05	0.04	<0.02	0.68 ug/g -
Benzo [k] fluoranthene	0.02 ug/g	0.02	0.03	0.03	<0.02	0.48 ug/g -
Chrysene	0.02 ug/g	0.04	0.05	0.07	<0.02	2.8 ug/g -
Dibenzo [a,h] anthracene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.1 ug/g -
Fluoranthene	0.02 ug/g	0.10	0.11	0.22	<0.02	0.56 ug/g -
Fluorene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.12 ug/g -
Indeno [1,2,3-cd] pyrene	0.02 ug/g	0.04	0.05	0.04	<0.02	0.23 ug/g -
1-Methylnaphthalene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.59 ug/g -
2-Methylnaphthalene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.59 ug/g -
Methylnaphthalene (1&2)	0.03 ug/g	<0.03	<0.03	<0.03	<0.03	0.59 ug/g -
Naphthalene	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.09 ug/g -
Phenanthrene	0.02 ug/g	0.03	0.07	0.15	<0.02	0.69 ug/g -
Pyrene	0.02 ug/g	0.07	0.09	0.14	<0.02	1 ug/g -
2-Fluorobiphenyl	Surrogate	52.8%	51.4%	82.3%	81.0%	- -

Certificate of Analysis

Report Date: 28-Jul-2022

Client: Landtek Limited

Order Date: 21-Jul-2022

Client PO: 22122

Project Description: 22122

Client ID:	Stream 4	Bank 1	Bank 2	Bank 3	Criteria:
Sample Date:	19-Jul-22 09:00	19-Jul-22 09:00	19-Jul-22 09:00	19-Jul-22 09:00	Reg 153/04 -T1 Res
Sample ID:	2230337-05	2230337-06	2230337-07	2230337-08	-
Matrix:	Soil	Soil	Soil	Soil	
MDL/Units					

Semi-Volatiles

Terphenyl-d14	Surrogate	59.3%	81.3%	72.0%	78.4%	-	-
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Pesticides, OC

Aldrin	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.05 ug/g	-
gamma-BHC (Lindane)	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.01 ug/g	-
alpha-Chlordane	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
gamma-Chlordane	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
Chlordane	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.05 ug/g	-
o,p'-DDD	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
p,p'-DDD	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
DDD	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.05 ug/g	-
o,p'-DDE	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
p,p'-DDE	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
DDE	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.05 ug/g	-
o,p'-DDT	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
p,p'-DDT	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
DDT	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	1.4 ug/g	-
Dieldrin	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.05 ug/g	-
Endrin	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.04 ug/g	-
Endosulfan I	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
Endosulfan II	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Heptachlor	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.05 ug/g	-
Heptachlor epoxide	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.04 ug/g	-
Hexachlorobenzene	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.01 ug/g	-
Hexachlorobutadiene	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.01 ug/g	-
Hexachloroethane	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.01 ug/g	-

Certificate of Analysis

Report Date: 28-Jul-2022

Client: Landtek Limited

Order Date: 21-Jul-2022

Client PO: 22122

Project Description: 22122

Client ID:	Stream 4	Bank 1	Bank 2	Bank 3	Criteria:
Sample Date:	19-Jul-22 09:00	19-Jul-22 09:00	19-Jul-22 09:00	19-Jul-22 09:00	Reg 153/04 -T1 Res -
Sample ID:	2230337-05	2230337-06	2230337-07	2230337-08	
Matrix:	Soil	Soil	Soil	Soil	
MDL/Units					

Pesticides, OC

Methoxychlor	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.05 ug/g	-
Decachlorobiphenyl	Surrogate	96.7%	79.0%	87.3%	89.7%	-	-

PCBs

PCBs, total	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.3 ug/g	-
Decachlorobiphenyl	Surrogate	102%	109%	111%	107%	-	-

Certificate of Analysis

Report Date: 28-Jul-2022

Client: Landtek Limited

Order Date: 21-Jul-2022

Client PO: 22122

Project Description: 22122

Client ID:	Bank 4	Bank 4 Dup	Bank 5	Bank 6	Criteria:
Sample Date:	19-Jul-22 09:00	19-Jul-22 09:00	19-Jul-22 09:00	19-Jul-22 09:00	Reg 153/04 -T1 Res
Sample ID:	2230337-09	2230337-10	2230337-11	2230337-12	-
Matrix:	Soil	Soil	Soil	Soil	
MDL/Units					

Physical Characteristics

% Solids	0.1 % by Wt.	-	91.5	-	-	-
% Solids	0.1 % by Wt.	88.9	-	89.0	85.1	-

General Inorganics

SAR	0.01 N/A	2.42	-	0.12	0.07	2.4 N/A	-
Conductivity	5 uS/cm	324	-	185	160	0.57 mS/cm	-
Cyanide, free	0.03 ug/g	<0.03	-	<0.03	<0.03	0.051 ug/g	-
pH	0.05 pH Units	7.44	-	7.20	7.49	5.00 - 9.00 pH Units	-

Metals

Antimony	1 ug/g	<1.0	<1.0	<1.0	<1.0	1.3 ug/g	-
Arsenic	1 ug/g	4.8	3.4	4.1	3.0	18 ug/g	-
Barium	1 ug/g	40.0	25.1	36.8	55.3	220 ug/g	-
Beryllium	0.5 ug/g	<0.5	<0.5	<0.5	<0.5	2.5 ug/g	-
Boron, available	0.5 ug/g	<0.5	<0.5	<0.5	<0.5	-	-
Boron	5 ug/g	<5.0	<5.0	<5.0	9.0	36 ug/g	-
Cadmium	0.5 ug/g	1.3	0.8	1.1	<0.5	1.2 ug/g	-
Chromium	5 ug/g	14.0	9.0	11.5	15.8	70 ug/g	-
Chromium (VI)	0.2 ug/g	<0.2	<0.2	<0.2	<0.2	0.66 ug/g	-
Cobalt	1 ug/g	2.6	1.7	3.0	8.3	21 ug/g	-
Copper	5 ug/g	17.8	12.2	19.6	10.3	92 ug/g	-
Lead	1 ug/g	49.4	35.8	42.6	12.8	120 ug/g	-
Mercury	0.1 ug/g	<0.1	<0.1	<0.1	<0.1	0.27 ug/g	-
Molybdenum	1 ug/g	1.1	<1.0	<1.0	<1.0	2 ug/g	-
Nickel	5 ug/g	5.5	<5.0	5.5	15.5	82 ug/g	-
Selenium	1 ug/g	<1.0	<1.0	<1.0	<1.0	1.5 ug/g	-
Silver	0.3 ug/g	<0.3	<0.3	<0.3	<0.3	0.5 ug/g	-

Certificate of Analysis

Report Date: 28-Jul-2022

Client: Landtek Limited

Order Date: 21-Jul-2022

Client PO: 22122

Project Description: 22122

Client ID:	Bank 4	Bank 4 Dup	Bank 5	Bank 6	Criteria:
Sample Date:	19-Jul-22 09:00	19-Jul-22 09:00	19-Jul-22 09:00	19-Jul-22 09:00	Reg 153/04 -T1 Res -
Sample ID:	2230337-09	2230337-10	2230337-11	2230337-12	
Matrix:	Soil	Soil	Soil	Soil	
MDL/Units					

Metals

	Bank 4	Bank 4 Dup	Bank 5	Bank 6	Criteria
Thallium	1 ug/g	<1.0	<1.0	<1.0	1 ug/g -
Uranium	1 ug/g	<1.0	<1.0	<1.0	2.5 ug/g -
Vanadium	10 ug/g	<10.0	<10.0	20.1	86 ug/g -
Zinc	20 ug/g	395	284	426	290 ug/g -

Volatiles

	Bank 4	Bank 4 Dup	Bank 5	Bank 6	Criteria	
Acetone	0.5 ug/g	<0.50	-	<0.50	<0.50	0.5 ug/g -
Benzene	0.02 ug/g	<0.02	-	<0.02	<0.02	0.02 ug/g -
Bromodichloromethane	0.05 ug/g	<0.05	-	<0.05	<0.05	0.05 ug/g -
Bromoform	0.05 ug/g	<0.05	-	<0.05	<0.05	0.05 ug/g -
Bromomethane	0.05 ug/g	<0.05	-	<0.05	<0.05	0.05 ug/g -
Carbon Tetrachloride	0.05 ug/g	<0.05	-	<0.05	<0.05	0.05 ug/g -
Chlorobenzene	0.05 ug/g	<0.05	-	<0.05	<0.05	0.05 ug/g -
Chloroform	0.05 ug/g	<0.05	-	<0.05	<0.05	0.05 ug/g -
Dibromochloromethane	0.05 ug/g	<0.05	-	<0.05	<0.05	0.05 ug/g -
Dichlorodifluoromethane	0.05 ug/g	<0.05	-	<0.05	<0.05	0.05 ug/g -
1,2-Dichlorobenzene	0.05 ug/g	<0.05	-	<0.05	<0.05	0.05 ug/g -
1,3-Dichlorobenzene	0.05 ug/g	<0.05	-	<0.05	<0.05	0.05 ug/g -
1,4-Dichlorobenzene	0.05 ug/g	<0.05	-	<0.05	<0.05	0.05 ug/g -
1,1-Dichloroethane	0.05 ug/g	<0.05	-	<0.05	<0.05	0.05 ug/g -
1,2-Dichloroethane	0.05 ug/g	<0.05	-	<0.05	<0.05	0.05 ug/g -
1,1-Dichloroethylene	0.05 ug/g	<0.05	-	<0.05	<0.05	0.05 ug/g -
cis-1,2-Dichloroethylene	0.05 ug/g	<0.05	-	<0.05	<0.05	0.05 ug/g -
trans-1,2-Dichloroethylene	0.05 ug/g	<0.05	-	<0.05	<0.05	0.05 ug/g -
1,2-Dichloropropane	0.05 ug/g	<0.05	-	<0.05	<0.05	0.05 ug/g -
cis-1,3-Dichloropropylene	0.05 ug/g	<0.05	-	<0.05	<0.05	- -

Certificate of Analysis

Report Date: 28-Jul-2022

Client: Landtek Limited

Order Date: 21-Jul-2022

Client PO: 22122

Project Description: 22122

Client ID:	Bank 4	Bank 4 Dup	Bank 5	Bank 6	Criteria:
Sample Date:	19-Jul-22 09:00	19-Jul-22 09:00	19-Jul-22 09:00	19-Jul-22 09:00	Reg 153/04 -T1 Res -
Sample ID:	2230337-09	2230337-10	2230337-11	2230337-12	
Matrix:	Soil	Soil	Soil	Soil	
MDL/Units					

Volatiles

Compound	Bank 4	Bank 4 Dup	Bank 5	Bank 6	Criteria
trans-1,3-Dichloropropylene	0.05 ug/g	<0.05	-	<0.05	<0.05
1,3-Dichloropropene, total	0.05 ug/g	<0.05	-	<0.05	<0.05
Ethylbenzene	0.05 ug/g	<0.05	-	<0.05	<0.05
Ethylene dibromide (dibromoethane,	0.05 ug/g	<0.05	-	<0.05	<0.05
Hexane	0.05 ug/g	<0.05	-	<0.05	<0.05
Methyl Ethyl Ketone (2-Butanone)	0.5 ug/g	<0.50	-	<0.50	<0.50
Methyl Isobutyl Ketone	0.5 ug/g	<0.50	-	<0.50	<0.50
Methyl tert-butyl ether	0.05 ug/g	<0.05	-	<0.05	<0.05
Methylene Chloride	0.05 ug/g	<0.05	-	<0.05	<0.05
Styrene	0.05 ug/g	<0.05	-	<0.05	<0.05
1,1,1,2-Tetrachloroethane	0.05 ug/g	<0.05	-	<0.05	<0.05
1,1,2,2-Tetrachloroethane	0.05 ug/g	<0.05	-	<0.05	<0.05
Tetrachloroethylene	0.05 ug/g	<0.05	-	<0.05	<0.05
Toluene	0.05 ug/g	<0.05	-	<0.05	<0.05
1,1,1-Trichloroethane	0.05 ug/g	<0.05	-	<0.05	<0.05
1,1,2-Trichloroethane	0.05 ug/g	<0.05	-	<0.05	<0.05
Trichloroethylene	0.05 ug/g	<0.05	-	<0.05	<0.05
Trichlorofluoromethane	0.05 ug/g	<0.05	-	<0.05	<0.05
Vinyl chloride	0.02 ug/g	<0.02	-	<0.02	<0.02
m,p-Xylenes	0.05 ug/g	<0.05	-	<0.05	<0.05
o-Xylene	0.05 ug/g	<0.05	-	<0.05	<0.05
Xylenes, total	0.05 ug/g	<0.05	-	<0.05	<0.05
Toluene-d8	Surrogate	109%	-	105%	105%
4-Bromofluorobenzene	Surrogate	90.5%	-	89.0%	89.6%
Dibromofluoromethane	Surrogate	77.5%	-	79.1%	78.2%

Certificate of Analysis

Report Date: 28-Jul-2022

Client: Landtek Limited

Order Date: 21-Jul-2022

Client PO: 22122

Project Description: 22122

Client ID:	Bank 4	Bank 4 Dup	Bank 5	Bank 6	Criteria:
Sample Date:	19-Jul-22 09:00	19-Jul-22 09:00	19-Jul-22 09:00	19-Jul-22 09:00	Reg 153/04 -T1 Res -
Sample ID:	2230337-09	2230337-10	2230337-11	2230337-12	
Matrix:	Soil	Soil	Soil	Soil	
MDL/Units					

Hydrocarbons

	Bank 4	Bank 4 Dup	Bank 5	Bank 6	Criteria	
F1 PHCs (C6-C10)	7 ug/g	<7	-	<7	25 ug/g -	
F2 PHCs (C10-C16)	4 ug/g	<4	-	<4	10 ug/g -	
F3 PHCs (C16-C34)	8 ug/g	59	-	62	29	240 ug/g -
F4 PHCs (C34-C50)	6 ug/g	<6	-	<6	<6	120 ug/g -

Semi-Volatiles

	Bank 4	Bank 4 Dup	Bank 5	Bank 6	Criteria	
Acenaphthene	0.02 ug/g	0.02	-	<0.02	<0.02	0.072 ug/g -
Acenaphthylene	0.02 ug/g	0.02	-	0.04	0.04	0.093 ug/g -
Anthracene	0.02 ug/g	0.06	-	0.05	0.05	0.16 ug/g -
Benzo [a] anthracene	0.02 ug/g	0.18	-	0.15	0.21	0.36 ug/g -
Benzo [a] pyrene	0.02 ug/g	0.16	-	0.15	0.21	0.3 ug/g -
Benzo [b] fluoranthene	0.02 ug/g	0.12	-	0.11	0.15	0.47 ug/g -
Benzo [g,h,i] perylene	0.02 ug/g	0.09	-	0.10	0.11	0.68 ug/g -
Benzo [k] fluoranthene	0.02 ug/g	0.07	-	0.07	0.09	0.48 ug/g -
Chrysene	0.02 ug/g	0.13	-	0.12	0.16	2.8 ug/g -
Dibenzo [a,h] anthracene	0.02 ug/g	0.02	-	0.03	0.03	0.1 ug/g -
Fluoranthene	0.02 ug/g	0.36	-	0.28	0.38	0.56 ug/g -
Fluorene	0.02 ug/g	0.02	-	<0.02	<0.02	0.12 ug/g -
Indeno [1,2,3-cd] pyrene	0.02 ug/g	0.09	-	0.10	0.12	0.23 ug/g -
1-Methylnaphthalene	0.02 ug/g	<0.02	-	<0.02	<0.02	0.59 ug/g -
2-Methylnaphthalene	0.02 ug/g	<0.02	-	<0.02	<0.02	0.59 ug/g -
Methylnaphthalene (1&2)	0.03 ug/g	<0.03	-	<0.03	<0.03	0.59 ug/g -
Naphthalene	0.01 ug/g	<0.01	-	<0.01	<0.01	0.09 ug/g -
Phenanthrene	0.02 ug/g	0.22	-	0.14	0.15	0.69 ug/g -
Pyrene	0.02 ug/g	0.27	-	0.23	0.30	1 ug/g -
2-Fluorobiphenyl	Surrogate	57.6%	-	80.7%	69.8%	- -

Certificate of Analysis

Report Date: 28-Jul-2022

Client: Landtek Limited

Order Date: 21-Jul-2022

Client PO: 22122

Project Description: 22122

Client ID:	Bank 4	Bank 4 Dup	Bank 5	Bank 6	Criteria:
Sample Date:	19-Jul-22 09:00	19-Jul-22 09:00	19-Jul-22 09:00	19-Jul-22 09:00	Reg 153/04 -T1 Res -
Sample ID:	2230337-09	2230337-10	2230337-11	2230337-12	
Matrix:	Soil	Soil	Soil	Soil	
MDL/Units					

Semi-Volatiles

Terphenyl-d14	Surrogate	70.7%	-	76.4%	73.6%	-	-
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Pesticides, OC

Aldrin	0.01 ug/g	<0.01	-	<0.01	<0.01	0.05 ug/g	-
gamma-BHC (Lindane)	0.01 ug/g	<0.01	-	<0.01	<0.01	0.01 ug/g	-
alpha-Chlordane	0.01 ug/g	<0.01	-	<0.01	<0.01	-	-
gamma-Chlordane	0.01 ug/g	<0.01	-	<0.01	<0.01	-	-
Chlordane	0.01 ug/g	<0.01	-	<0.01	<0.01	0.05 ug/g	-
o,p'-DDD	0.01 ug/g	<0.01	-	<0.01	<0.01	-	-
p,p'-DDD	0.02 ug/g	<0.02	-	<0.02	<0.02	-	-
DDD	0.02 ug/g	<0.02	-	<0.02	<0.02	0.05 ug/g	-
o,p'-DDE	0.01 ug/g	<0.01	-	<0.01	<0.01	-	-
p,p'-DDE	0.01 ug/g	<0.01	-	<0.01	<0.01	-	-
DDE	0.01 ug/g	<0.01	-	<0.01	<0.01	0.05 ug/g	-
o,p'-DDT	0.01 ug/g	<0.01	-	<0.01	<0.01	-	-
p,p'-DDT	0.01 ug/g	<0.01	-	<0.01	<0.01	-	-
DDT	0.01 ug/g	<0.01	-	<0.01	<0.01	1.4 ug/g	-
Dieldrin	0.02 ug/g	<0.02	-	<0.02	<0.02	0.05 ug/g	-
Endrin	0.02 ug/g	<0.02	-	<0.02	<0.02	0.04 ug/g	-
Endosulfan I	0.01 ug/g	<0.01	-	<0.01	<0.01	-	-
Endosulfan II	0.02 ug/g	<0.02	-	<0.02	<0.02	-	-
Heptachlor	0.01 ug/g	<0.01	-	<0.01	<0.01	0.05 ug/g	-
Heptachlor epoxide	0.01 ug/g	<0.01	-	<0.01	<0.01	0.04 ug/g	-
Hexachlorobenzene	0.01 ug/g	<0.01	-	<0.01	<0.01	0.01 ug/g	-
Hexachlorobutadiene	0.01 ug/g	<0.01	-	<0.01	<0.01	0.01 ug/g	-
Hexachloroethane	0.01 ug/g	<0.01	-	<0.01	<0.01	0.01 ug/g	-

Certificate of Analysis

Report Date: 28-Jul-2022

Client: Landtek Limited

Order Date: 21-Jul-2022

Client PO: 22122

Project Description: 22122

Client ID:	Bank 4	Bank 4 Dup	Bank 5	Bank 6	Criteria:
Sample Date:	19-Jul-22 09:00	19-Jul-22 09:00	19-Jul-22 09:00	19-Jul-22 09:00	Reg 153/04 -T1 Res
Sample ID:	2230337-09	2230337-10	2230337-11	2230337-12	-
Matrix:	Soil	Soil	Soil	Soil	
MDL/Units					

Pesticides, OC

Methoxychlor	0.01 ug/g	<0.01	-	<0.01	<0.01	0.05 ug/g	-
Decachlorobiphenyl	Surrogate	87.5%	-	92.9%	88.2%	-	-

PCBs

PCBs, total	0.05 ug/g	<0.05	-	<0.05	<0.05	0.3 ug/g	-
Decachlorobiphenyl	Surrogate	104%	-	94.9%	113%	-	-

Certificate of Analysis

Report Date: 28-Jul-2022

Client: Landtek Limited

Order Date: 21-Jul-2022

Client PO: 22122

Project Description: 22122

Client ID:	Bank 7	Bank 8			Criteria:
Sample Date:	19-Jul-22 09:00	19-Jul-22 09:00			Reg 153/04 -T1 Res -
Sample ID:	2230337-13	2230337-14			
Matrix:	Soil	Soil			
MDL/Units					

Physical Characteristics

% Solids	0.1 % by Wt.	82.8	85.3	-	-	-	-
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General Inorganics

SAR	0.01 N/A	0.10	0.10	-	-	2.4 N/A	-
Conductivity	5 uS/cm	321	232	-	-	0.57 mS/cm	-
Cyanide, free	0.03 ug/g	<0.03	<0.03	-	-	0.051 ug/g	-
pH	0.05 pH Units	7.55	7.01	-	-	5.00 - 9.00 pH Units	-

Metals

Antimony	1 ug/g	<1.0	<1.0	-	-	1.3 ug/g	-
Arsenic	1 ug/g	5.2	5.5	-	-	18 ug/g	-
Barium	1 ug/g	68.3	57.4	-	-	220 ug/g	-
Beryllium	0.5 ug/g	<0.5	<0.5	-	-	2.5 ug/g	-
Boron	5 ug/g	<5.0	<5.0	-	-	36 ug/g	-
Boron, available	0.5 ug/g	1.5	0.7	-	-	-	-
Cadmium	0.5 ug/g	<0.5	0.5	-	-	1.2 ug/g	-
Chromium (VI)	0.2 ug/g	<0.2	<0.2	-	-	0.66 ug/g	-
Chromium	5 ug/g	15.0	13.3	-	-	70 ug/g	-
Cobalt	1 ug/g	7.0	5.3	-	-	21 ug/g	-
Copper	5 ug/g	19.2	19.6	-	-	92 ug/g	-
Lead	1 ug/g	36.3	177	-	-	120 ug/g	-
Mercury	0.1 ug/g	<0.1	<0.1	-	-	0.27 ug/g	-
Molybdenum	1 ug/g	<1.0	<1.0	-	-	2 ug/g	-
Nickel	5 ug/g	11.5	9.0	-	-	82 ug/g	-
Selenium	1 ug/g	<1.0	<1.0	-	-	1.5 ug/g	-
Silver	0.3 ug/g	<0.3	<0.3	-	-	0.5 ug/g	-
Thallium	1 ug/g	<1.0	<1.0	-	-	1 ug/g	-

Certificate of Analysis

Report Date: 28-Jul-2022

Client: Landtek Limited

Order Date: 21-Jul-2022

Client PO: 22122

Project Description: 22122

Client ID:	Bank 7	Bank 8			Criteria:
Sample Date:	19-Jul-22 09:00	19-Jul-22 09:00			Reg 153/04 -T1 Res -
Sample ID:	2230337-13	2230337-14			
Matrix:	Soil	Soil			
MDL/Units					

Metals

Uranium	1 ug/g	<1.0	<1.0	-	-	2.5 ug/g	-
Vanadium	10 ug/g	21.0	17.8	-	-	86 ug/g	-
Zinc	20 ug/g	123	170	-	-	290 ug/g	-

Volatiles

Acetone	0.5 ug/g	<0.50	<0.50	-	-	0.5 ug/g	-
Benzene	0.02 ug/g	<0.02	<0.02	-	-	0.02 ug/g	-
Bromodichloromethane	0.05 ug/g	<0.05	<0.05	-	-	0.05 ug/g	-
Bromoform	0.05 ug/g	<0.05	<0.05	-	-	0.05 ug/g	-
Bromomethane	0.05 ug/g	<0.05	<0.05	-	-	0.05 ug/g	-
Carbon Tetrachloride	0.05 ug/g	<0.05	<0.05	-	-	0.05 ug/g	-
Chlorobenzene	0.05 ug/g	<0.05	<0.05	-	-	0.05 ug/g	-
Chloroform	0.05 ug/g	<0.05	<0.05	-	-	0.05 ug/g	-
Dibromochloromethane	0.05 ug/g	<0.05	<0.05	-	-	0.05 ug/g	-
Dichlorodifluoromethane	0.05 ug/g	<0.05	<0.05	-	-	0.05 ug/g	-
1,2-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	-	-	0.05 ug/g	-
1,3-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	-	-	0.05 ug/g	-
1,4-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	-	-	0.05 ug/g	-
1,1-Dichloroethane	0.05 ug/g	<0.05	<0.05	-	-	0.05 ug/g	-
1,2-Dichloroethane	0.05 ug/g	<0.05	<0.05	-	-	0.05 ug/g	-
1,1-Dichloroethylene	0.05 ug/g	<0.05	<0.05	-	-	0.05 ug/g	-
cis-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	-	-	0.05 ug/g	-
trans-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	-	-	0.05 ug/g	-
1,2-Dichloropropane	0.05 ug/g	<0.05	<0.05	-	-	0.05 ug/g	-
cis-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	-	-	-	-
trans-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	-	-	-	-

Certificate of Analysis

Report Date: 28-Jul-2022

Client: Landtek Limited

Order Date: 21-Jul-2022

Client PO: 22122

Project Description: 22122

Client ID:	Bank 7	Bank 8			Criteria:
Sample Date:	19-Jul-22 09:00	19-Jul-22 09:00			Reg 153/04 -T1 Res
Sample ID:	2230337-13	2230337-14			-
Matrix:	Soil	Soil			
MDL/Units					

Volatiles

1,3-Dichloropropene, total	0.05 ug/g	<0.05	<0.05	-	-	0.05 ug/g	-
Ethylene dibromide (dibromoethane,	0.05 ug/g	<0.05	<0.05	-	-	0.05 ug/g	-
Ethylbenzene	0.05 ug/g	<0.05	<0.05	-	-	0.05 ug/g	-
Hexane	0.05 ug/g	<0.05	<0.05	-	-	0.05 ug/g	-
Methyl Ethyl Ketone (2-Butanone)	0.5 ug/g	<0.50	<0.50	-	-	0.5 ug/g	-
Methyl Isobutyl Ketone	0.5 ug/g	<0.50	<0.50	-	-	0.5 ug/g	-
Methyl tert-butyl ether	0.05 ug/g	<0.05	<0.05	-	-	0.05 ug/g	-
Methylene Chloride	0.05 ug/g	<0.05	<0.05	-	-	0.05 ug/g	-
Styrene	0.05 ug/g	<0.05	<0.05	-	-	0.05 ug/g	-
1,1,1,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	-	-	0.05 ug/g	-
1,1,2,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	-	-	0.05 ug/g	-
Tetrachloroethylene	0.05 ug/g	<0.05	<0.05	-	-	0.05 ug/g	-
Toluene	0.05 ug/g	<0.05	<0.05	-	-	0.2 ug/g	-
1,1,1-Trichloroethane	0.05 ug/g	<0.05	<0.05	-	-	0.05 ug/g	-
1,1,2-Trichloroethane	0.05 ug/g	<0.05	<0.05	-	-	0.05 ug/g	-
Trichloroethylene	0.05 ug/g	<0.05	<0.05	-	-	0.05 ug/g	-
Trichlorofluoromethane	0.05 ug/g	<0.05	<0.05	-	-	0.25 ug/g	-
Vinyl chloride	0.02 ug/g	<0.02	<0.02	-	-	0.02 ug/g	-
m,p-Xylenes	0.05 ug/g	<0.05	<0.05	-	-	-	-
o-Xylene	0.05 ug/g	<0.05	<0.05	-	-	-	-
Xylenes, total	0.05 ug/g	<0.05	<0.05	-	-	0.05 ug/g	-
4-Bromofluorobenzene	Surrogate	93.6%	88.7%	-	-	-	-
Toluene-d8	Surrogate	106%	105%	-	-	-	-
Dibromofluoromethane	Surrogate	79.9%	77.0%	-	-	-	-

Hydrocarbons

Certificate of Analysis

Report Date: 28-Jul-2022

Client: Landtek Limited

Order Date: 21-Jul-2022

Client PO: 22122

Project Description: 22122

Client ID:	Bank 7	Bank 8			Criteria:
Sample Date:	19-Jul-22 09:00	19-Jul-22 09:00			Reg 153/04 -T1 Res -
Sample ID:	2230337-13	2230337-14			
Matrix:	Soil	Soil			
MDL/Units					

Hydrocarbons

F1 PHCs (C6-C10)	7 ug/g	<7	<7	-	-	25 ug/g	-
F2 PHCs (C10-C16)	4 ug/g	<4	<4	-	-	10 ug/g	-
F3 PHCs (C16-C34)	8 ug/g	34	57	-	-	240 ug/g	-
F4 PHCs (C34-C50)	6 ug/g	<6	142	-	-	120 ug/g	-

Semi-Volatiles

Acenaphthene	0.02 ug/g	0.07	<0.02	-	-	0.072 ug/g	-
Acenaphthylene	0.02 ug/g	0.04	0.14	-	-	0.093 ug/g	-
Anthracene	0.02 ug/g	0.19	0.11	-	-	0.16 ug/g	-
Benzo [a] anthracene	0.02 ug/g	0.42	0.28	-	-	0.36 ug/g	-
Benzo [a] pyrene	0.02 ug/g	0.38	0.30	-	-	0.3 ug/g	-
Benzo [b] fluoranthene	0.02 ug/g	0.28	0.23	-	-	0.47 ug/g	-
Benzo [g,h,i] perylene	0.02 ug/g	0.20	0.21	-	-	0.68 ug/g	-
Benzo [k] fluoranthene	0.02 ug/g	0.17	0.13	-	-	0.48 ug/g	-
Chrysene	0.02 ug/g	0.33	0.22	-	-	2.8 ug/g	-
Dibenzo [a,h] anthracene	0.02 ug/g	0.06	0.05	-	-	0.1 ug/g	-
Fluoranthene	0.02 ug/g	0.90	0.49	-	-	0.56 ug/g	-
Fluorene	0.02 ug/g	0.07	<0.02	-	-	0.12 ug/g	-
Indeno [1,2,3-cd] pyrene	0.02 ug/g	0.23	0.22	-	-	0.23 ug/g	-
1-Methylnaphthalene	0.02 ug/g	0.04	<0.02	-	-	0.59 ug/g	-
2-Methylnaphthalene	0.02 ug/g	0.04	<0.02	-	-	0.59 ug/g	-
Methylnaphthalene (1&2)	0.03 ug/g	0.08	<0.03	-	-	0.59 ug/g	-
Naphthalene	0.01 ug/g	0.04	<0.01	-	-	0.09 ug/g	-
Phenanthrene	0.02 ug/g	0.69	0.17	-	-	0.69 ug/g	-
Pyrene	0.02 ug/g	0.71	0.41	-	-	1 ug/g	-
2-Fluorobiphenyl	Surrogate	74.7%	79.0%	-	-	-	-

Certificate of Analysis

Report Date: 28-Jul-2022

Client: Landtek Limited

Order Date: 21-Jul-2022

Client PO: 22122

Project Description: 22122

Client ID:	Bank 7	Bank 8			Criteria:
Sample Date:	19-Jul-22 09:00	19-Jul-22 09:00			Reg 153/04 -T1 Res
Sample ID:	2230337-13	2230337-14			-
Matrix:	Soil	Soil			
MDL/Units					

Semi-Volatiles

Terphenyl-d14	Surrogate	80.9%	73.8%	-	-	-	-
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Pesticides, OC

Aldrin	0.01 ug/g	<0.01	<0.01	-	-	0.05 ug/g	-
gamma-BHC (Lindane)	0.01 ug/g	<0.01	<0.01	-	-	0.01 ug/g	-
alpha-Chlordane	0.01 ug/g	<0.01	0.08	-	-	-	-
gamma-Chlordane	0.01 ug/g	<0.01	0.07	-	-	-	-
Chlordane	0.01 ug/g	<0.01	0.15	-	-	0.05 ug/g	-
o,p'-DDD	0.01 ug/g	<0.01	<0.01	-	-	-	-
p,p'-DDD	0.02 ug/g	<0.02	<0.02	-	-	-	-
DDD	0.02 ug/g	<0.02	<0.02	-	-	0.05 ug/g	-
o,p'-DDE	0.01 ug/g	<0.01	<0.01	-	-	-	-
p,p'-DDE	0.01 ug/g	0.10	0.06	-	-	-	-
DDE	0.01 ug/g	0.11	0.06	-	-	0.05 ug/g	-
o,p'-DDT	0.01 ug/g	<0.01	<0.01	-	-	-	-
p,p'-DDT	0.01 ug/g	0.03	<0.01	-	-	-	-
DDT	0.01 ug/g	0.03	<0.01	-	-	1.4 ug/g	-
Dieldrin	0.02 ug/g	<0.02	<0.02	-	-	0.05 ug/g	-
Endrin	0.02 ug/g	<0.02	<0.02	-	-	0.04 ug/g	-
Endosulfan I	0.01 ug/g	<0.01	<0.01	-	-	-	-
Endosulfan II	0.02 ug/g	<0.02	<0.02	-	-	-	-
Heptachlor	0.01 ug/g	<0.01	<0.01	-	-	0.05 ug/g	-
Heptachlor epoxide	0.01 ug/g	<0.01	<0.01	-	-	0.04 ug/g	-
Hexachlorobenzene	0.01 ug/g	<0.01	<0.01	-	-	0.01 ug/g	-
Hexachlorobutadiene	0.01 ug/g	<0.01	<0.01	-	-	0.01 ug/g	-
Hexachloroethane	0.01 ug/g	<0.01	<0.01	-	-	0.01 ug/g	-

Certificate of Analysis

Report Date: 28-Jul-2022

Client: Landtek Limited

Order Date: 21-Jul-2022

Client PO: 22122

Project Description: 22122

Client ID:	Bank 7	Bank 8			Criteria:
Sample Date:	19-Jul-22 09:00	19-Jul-22 09:00			Reg 153/04 -T1 Res -
Sample ID:	2230337-13	2230337-14			
Matrix:	Soil	Soil			
MDL/Units					

Pesticides, OC

Methoxychlor	0.01 ug/g	<0.01	<0.01	-	-	0.05 ug/g	-
Decachlorobiphenyl	Surrogate	114%	121%	-	-	-	-

PCBs

PCBs, total	0.05 ug/g	<0.05	4.38	-	-	0.3 ug/g	-
Decachlorobiphenyl	Surrogate	110%	106%	-	-	-	-

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Report Date: 28-Jul-2022

Client: Landtek Limited

Order Date: 21-Jul-2022

Client PO: 22122

Project Description: 22122

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
General Inorganics								
SAR	ND	0.01	N/A					
Conductivity	ND	5	uS/cm					
Cyanide, free	ND	0.03	ug/g					
Hydrocarbons								
F1 PHCs (C6-C10)	ND	7	ug/g					
F2 PHCs (C10-C16)	ND	4	ug/g					
F3 PHCs (C16-C34)	ND	8	ug/g					
F4 PHCs (C34-C50)	ND	6	ug/g					
Metals								
Antimony	ND	1.0	ug/g					
Arsenic	ND	1.0	ug/g					
Barium	ND	1.0	ug/g					
Beryllium	ND	0.5	ug/g					
Boron, available	ND	0.5	ug/g					
Boron	ND	5.0	ug/g					
Cadmium	ND	0.5	ug/g					
Chromium (VI)	ND	0.2	ug/g					
Chromium	ND	5.0	ug/g					
Cobalt	ND	1.0	ug/g					
Copper	ND	5.0	ug/g					
Lead	ND	1.0	ug/g					
Mercury	ND	0.1	ug/g					
Molybdenum	ND	1.0	ug/g					
Nickel	ND	5.0	ug/g					
Selenium	ND	1.0	ug/g					
Silver	ND	0.3	ug/g					
Thallium	ND	1.0	ug/g					
Uranium	ND	1.0	ug/g					
Vanadium	ND	10.0	ug/g					
Zinc	ND	20.0	ug/g					
PCBs								
PCBs, total	ND	0.05	ug/g					

Certificate of Analysis

Report Date: 28-Jul-2022

Client: Landtek Limited

Order Date: 21-Jul-2022

Client PO: 22122

Project Description: 22122

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
<i>Surrogate: Decachlorobiphenyl</i>	0.105		ug/g	105	60-140			
Pesticides, OC								
Aldrin	ND	0.01	ug/g					
gamma-BHC (Lindane)	ND	0.01	ug/g					
alpha-Chlordane	ND	0.01	ug/g					
gamma-Chlordane	ND	0.01	ug/g					
Chlordane	ND	0.01	ug/g					
o,p'-DDD	ND	0.01	ug/g					
p,p'-DDD	ND	0.02	ug/g					
DDD	ND	0.02	ug/g					
o,p'-DDE	ND	0.01	ug/g					
p,p'-DDE	ND	0.01	ug/g					
DDE	ND	0.01	ug/g					
o,p'-DDT	ND	0.01	ug/g					
p,p'-DDT	ND	0.01	ug/g					
DDT	ND	0.01	ug/g					
Dieldrin	ND	0.02	ug/g					
Endrin	ND	0.02	ug/g					
Endosulfan I	ND	0.01	ug/g					
Endosulfan II	ND	0.02	ug/g					
Heptachlor	ND	0.01	ug/g					
Heptachlor epoxide	ND	0.01	ug/g					
Hexachlorobenzene	ND	0.01	ug/g					
Hexachlorobutadiene	ND	0.01	ug/g					
Hexachloroethane	ND	0.01	ug/g					
Methoxychlor	ND	0.01	ug/g					
<i>Surrogate: Decachlorobiphenyl</i>	0.177		ug/g	88.4	50-140			
Semi-Volatiles								
Acenaphthene	ND	0.02	ug/g					
Acenaphthylene	ND	0.02	ug/g					
Anthracene	ND	0.02	ug/g					
Benzo [a] anthracene	ND	0.02	ug/g					

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Client: Landtek Limited

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Client PO: 22122

Project Description: 22122

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
Benzo [a] pyrene	ND	0.02	ug/g					
Benzo [b] fluoranthene	ND	0.02	ug/g					
Benzo [g,h,i] perylene	ND	0.02	ug/g					
Benzo [k] fluoranthene	ND	0.02	ug/g					
Chrysene	ND	0.02	ug/g					
Dibenzo [a,h] anthracene	ND	0.02	ug/g					
Fluoranthene	ND	0.02	ug/g					
Fluorene	ND	0.02	ug/g					
Indeno [1,2,3-cd] pyrene	ND	0.02	ug/g					
1-Methylnaphthalene	ND	0.02	ug/g					
2-Methylnaphthalene	ND	0.02	ug/g					
Methylnaphthalene (1&2)	ND	0.03	ug/g					
Naphthalene	ND	0.01	ug/g					
Phenanthrene	ND	0.02	ug/g					
Pyrene	ND	0.02	ug/g					
Surrogate: 2-Fluorobiphenyl	0.435		ug/g	87.0	50-140			
Surrogate: Terphenyl-d14	0.385		ug/g	77.0	50-140			
Volatiles								
Acetone	ND	0.50	ug/g					
Benzene	ND	0.02	ug/g					
Bromodichloromethane	ND	0.05	ug/g					
Bromoform	ND	0.05	ug/g					
Bromomethane	ND	0.05	ug/g					
Carbon Tetrachloride	ND	0.05	ug/g					
Chlorobenzene	ND	0.05	ug/g					
Chloroform	ND	0.05	ug/g					
Dibromochloromethane	ND	0.05	ug/g					
Dichlorodifluoromethane	ND	0.05	ug/g					
1,2-Dichlorobenzene	ND	0.05	ug/g					
1,3-Dichlorobenzene	ND	0.05	ug/g					
1,4-Dichlorobenzene	ND	0.05	ug/g					
1,1-Dichloroethane	ND	0.05	ug/g					

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Client: Landtek Limited

Order Date: 21-Jul-2022

Client PO: 22122

Project Description: 22122

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
1,2-Dichloroethane	ND	0.05	ug/g					
1,1-Dichloroethylene	ND	0.05	ug/g					
cis-1,2-Dichloroethylene	ND	0.05	ug/g					
trans-1,2-Dichloroethylene	ND	0.05	ug/g					
1,2-Dichloropropane	ND	0.05	ug/g					
cis-1,3-Dichloropropylene	ND	0.05	ug/g					
trans-1,3-Dichloropropylene	ND	0.05	ug/g					
1,3-Dichloropropene, total	ND	0.05	ug/g					
Ethylbenzene	ND	0.05	ug/g					
Ethylene dibromide (dibromoethane, 1,2-)	ND	0.05	ug/g					
Hexane	ND	0.05	ug/g					
Methyl Ethyl Ketone (2-Butanone)	ND	0.50	ug/g					
Methyl Isobutyl Ketone	ND	0.50	ug/g					
Methyl tert-butyl ether	ND	0.05	ug/g					
Methylene Chloride	ND	0.05	ug/g					
Styrene	ND	0.05	ug/g					
1,1,1,2-Tetrachloroethane	ND	0.05	ug/g					
1,1,2,2-Tetrachloroethane	ND	0.05	ug/g					
Tetrachloroethylene	ND	0.05	ug/g					
Toluene	ND	0.05	ug/g					
1,1,1-Trichloroethane	ND	0.05	ug/g					
1,1,2-Trichloroethane	ND	0.05	ug/g					
Trichloroethylene	ND	0.05	ug/g					
Trichlorofluoromethane	ND	0.05	ug/g					
Vinyl chloride	ND	0.02	ug/g					
m,p-Xylenes	ND	0.05	ug/g					
o-Xylene	ND	0.05	ug/g					
Xylenes, total	ND	0.05	ug/g					
Surrogate: 4-Bromofluorobenzene	7.36		ug/g	91.9	50-140			
Surrogate: Dibromofluoromethane	6.75		ug/g	84.3	50-140			
Surrogate: Toluene-d8	8.33		ug/g	104	50-140			

Certificate of Analysis

Report Date: 28-Jul-2022

Client: Landtek Limited

Order Date: 21-Jul-2022

Client PO: 22122

Project Description: 22122

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
General Inorganics									
SAR	1.47	0.01	N/A	1.56			5.9	30	
Conductivity	610	5	uS/cm	612			0.2	5	
Cyanide, free	ND	0.03	ug/g	ND			NC	35	
pH	7.29	0.05	pH Units	7.35			0.8	10	
Hydrocarbons									
F1 PHCs (C6-C10)	ND	7	ug/g	ND			NC	40	
F2 PHCs (C10-C16)	ND	4	ug/g	ND			NC	30	
F3 PHCs (C16-C34)	ND	8	ug/g	ND			NC	30	
F4 PHCs (C34-C50)	ND	6	ug/g	ND			NC	30	
Metals									
Antimony	ND	1.0	ug/g	ND			NC	30	
Arsenic	4.9	1.0	ug/g	3.6			NC	30	
Barium	63.5	1.0	ug/g	57.2			10.5	30	
Beryllium	1.4	0.5	ug/g	ND			NC	30	
Boron, available	0.52	0.5	ug/g	ND			NC	35	
Boron	7.6	5.0	ug/g	ND			NC	30	
Cadmium	ND	0.5	ug/g	ND			NC	30	
Chromium (VI)	ND	0.2	ug/g	ND			NC	35	
Chromium	15.2	5.0	ug/g	14.4			5.6	30	
Cobalt	6.3	1.0	ug/g	5.4			14.2	30	
Copper	19.0	5.0	ug/g	17.0			11.4	30	
Lead	34.8	1.0	ug/g	26.2			28.1	30	
Mercury	ND	0.1	ug/g	ND			NC	30	
Molybdenum	4.9	1.0	ug/g	1.0			NC	30	
Nickel	10.6	5.0	ug/g	9.1			15.4	30	
Selenium	4.5	1.0	ug/g	ND			NC	30	
Silver	1.4	0.3	ug/g	ND			NC	30	
Thallium	1.7	1.0	ug/g	ND			NC	30	
Uranium	1.3	1.0	ug/g	ND			NC	30	
Vanadium	25.4	10.0	ug/g	23.9			5.9	30	

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Report Date: 28-Jul-2022

Client: Landtek Limited

Order Date: 21-Jul-2022

Client PO: 22122

Project Description: 22122

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Zinc	131	20.0	ug/g	108			19.4	30	
PCBs									
PCBs, total	ND	0.05	ug/g	ND			NC	40	
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.119</i>		<i>ug/g</i>		<i>99.8</i>	<i>60-140</i>			
Pesticides, OC									
Aldrin	ND	0.01	ug/g	ND			NC	40	
gamma-BHC (Lindane)	ND	0.01	ug/g	ND			NC	40	
alpha-Chlordane	ND	0.01	ug/g	ND			NC	40	
gamma-Chlordane	ND	0.01	ug/g	ND			NC	40	
o,p'-DDD	ND	0.01	ug/g	ND			NC	40	
p,p'-DDD	ND	0.02	ug/g	ND			NC	40	
o,p'-DDE	ND	0.01	ug/g	ND			NC	40	
p,p'-DDE	ND	0.01	ug/g	ND			NC	40	
o,p'-DDT	ND	0.01	ug/g	ND			NC	40	
p,p'-DDT	ND	0.01	ug/g	ND			NC	40	
Dieldrin	ND	0.02	ug/g	ND			NC	40	
Endrin	ND	0.02	ug/g	ND			NC	40	
Endosulfan I	ND	0.01	ug/g	ND			NC	40	
Endosulfan II	ND	0.02	ug/g	ND			NC	40	
Heptachlor	ND	0.01	ug/g	ND			NC	40	
Heptachlor epoxide	ND	0.01	ug/g	ND			NC	40	
Hexachlorobenzene	ND	0.01	ug/g	ND			NC	40	
Hexachlorobutadiene	ND	0.01	ug/g	ND			NC	40	
Hexachloroethane	ND	0.01	ug/g	ND			NC	40	
Methoxychlor	ND	0.01	ug/g	ND			NC	40	
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.216</i>		<i>ug/g</i>		<i>90.4</i>	<i>50-140</i>			
Physical Characteristics									
% Solids	77.4	0.1	% by Wt.	77.3			0.2	25	
Semi-Volatiles									
Acenaphthene	ND	0.02	ug/g	ND			NC	40	
Acenaphthylene	ND	0.02	ug/g	ND			NC	40	

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Client: Landtek Limited

Order Date: 21-Jul-2022

Client PO: 22122

Project Description: 22122

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Anthracene	0.020	0.02	ug/g	ND			NC	40	
Benzo [a] anthracene	0.061	0.02	ug/g	0.056			7.8	40	
Benzo [a] pyrene	0.054	0.02	ug/g	0.056			2.9	40	
Benzo [b] fluoranthene	0.049	0.02	ug/g	0.048			1.8	40	
Benzo [g,h,i] perylene	0.051	0.02	ug/g	0.049			3.7	40	
Benzo [k] fluoranthene	0.025	0.02	ug/g	0.026			1.7	40	
Chrysene	0.050	0.02	ug/g	0.047			5.4	40	
Dibenzo [a,h] anthracene	ND	0.02	ug/g	ND			NC	40	
Fluoranthene	0.128	0.02	ug/g	0.108			17.0	40	
Fluorene	ND	0.02	ug/g	ND			NC	40	
Indeno [1,2,3-cd] pyrene	0.052	0.02	ug/g	0.051			2.8	40	
1-Methylnaphthalene	ND	0.02	ug/g	ND			NC	40	
2-Methylnaphthalene	ND	0.02	ug/g	ND			NC	40	
Naphthalene	ND	0.01	ug/g	ND			NC	40	
Phenanthrene	0.090	0.02	ug/g	0.070			24.9	40	
Pyrene	0.102	0.02	ug/g	0.088			15.1	40	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>0.443</i>		<i>ug/g</i>		<i>81.8</i>	<i>50-140</i>			
<i>Surrogate: Terphenyl-d14</i>	<i>0.446</i>		<i>ug/g</i>		<i>82.5</i>	<i>50-140</i>			
Volatiles									
Acetone	ND	0.50	ug/g	ND			NC	50	
Benzene	ND	0.02	ug/g	ND			NC	50	
Bromodichloromethane	ND	0.05	ug/g	ND			NC	50	
Bromoform	ND	0.05	ug/g	ND			NC	50	
Bromomethane	ND	0.05	ug/g	ND			NC	50	
Carbon Tetrachloride	ND	0.05	ug/g	ND			NC	50	
Chlorobenzene	ND	0.05	ug/g	ND			NC	50	
Chloroform	ND	0.05	ug/g	ND			NC	50	
Dibromochloromethane	ND	0.05	ug/g	ND			NC	50	
Dichlorodifluoromethane	ND	0.05	ug/g	ND			NC	50	
1,2-Dichlorobenzene	ND	0.05	ug/g	ND			NC	50	
1,3-Dichlorobenzene	ND	0.05	ug/g	ND			NC	50	

Certificate of Analysis

Report Date: 28-Jul-2022

Client: Landtek Limited

Order Date: 21-Jul-2022

Client PO: 22122

Project Description: 22122

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
1,4-Dichlorobenzene	ND	0.05	ug/g	ND			NC	50	
1,1-Dichloroethane	ND	0.05	ug/g	ND			NC	50	
1,2-Dichloroethane	ND	0.05	ug/g	ND			NC	50	
1,1-Dichloroethylene	ND	0.05	ug/g	ND			NC	50	
cis-1,2-Dichloroethylene	ND	0.05	ug/g	ND			NC	50	
trans-1,2-Dichloroethylene	ND	0.05	ug/g	ND			NC	50	
1,2-Dichloropropane	ND	0.05	ug/g	ND			NC	50	
cis-1,3-Dichloropropylene	ND	0.05	ug/g	ND			NC	50	
trans-1,3-Dichloropropylene	ND	0.05	ug/g	ND			NC	50	
Ethylbenzene	ND	0.05	ug/g	ND			NC	50	
Ethylene dibromide (dibromoethane, 1,2-)	ND	0.05	ug/g	ND			NC	50	
Hexane	ND	0.05	ug/g	ND			NC	50	
Methyl Ethyl Ketone (2-Butanone)	ND	0.50	ug/g	ND			NC	50	
Methyl Isobutyl Ketone	ND	0.50	ug/g	ND			NC	50	
Methyl tert-butyl ether	ND	0.05	ug/g	ND			NC	50	
Methylene Chloride	ND	0.05	ug/g	ND			NC	50	
Styrene	ND	0.05	ug/g	ND			NC	50	
1,1,1,2-Tetrachloroethane	ND	0.05	ug/g	ND			NC	50	
1,1,2,2-Tetrachloroethane	ND	0.05	ug/g	ND			NC	50	
Tetrachloroethylene	ND	0.05	ug/g	ND			NC	50	
Toluene	ND	0.05	ug/g	ND			NC	50	
1,1,1-Trichloroethane	ND	0.05	ug/g	ND			NC	50	
1,1,2-Trichloroethane	ND	0.05	ug/g	ND			NC	50	
Trichloroethylene	ND	0.05	ug/g	ND			NC	50	
Trichlorofluoromethane	ND	0.05	ug/g	ND			NC	50	
Vinyl chloride	ND	0.02	ug/g	ND			NC	50	
m,p-Xylenes	ND	0.05	ug/g	ND			NC	50	
o-Xylene	ND	0.05	ug/g	ND			NC	50	
Surrogate: 4-Bromofluorobenzene	7.24		ug/g		92.1	50-140			
Surrogate: Dibromofluoromethane	6.20		ug/g		78.9	50-140			
Surrogate: Toluene-d8	8.29		ug/g		106	50-140			

Certificate of Analysis

Report Date: 28-Jul-2022

Client: Landtek Limited

Order Date: 21-Jul-2022

Client PO: 22122

Project Description: 22122

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
General Inorganics									
Cyanide, free	0.881	0.03	ug/g	ND	88.1	70-130			
Hydrocarbons									
F1 PHCs (C6-C10)	77	7	ug/g	ND	109	80-120			
F2 PHCs (C10-C16)	104	4	ug/g	ND	104	60-140			
F3 PHCs (C16-C34)	250	8	ug/g	ND	111	60-140			
F4 PHCs (C34-C50)	211	6	ug/g	ND	130	60-140			
Metals									
Antimony	120	1.0	ug/g	ND	96.3	70-130			
Arsenic	131	1.0	ug/g	3.6	102	70-130			
Barium	183	1.0	ug/g	57.2	100	70-130			
Beryllium	116	0.5	ug/g	ND	93.0	70-130			
Boron, available	4.14	0.5	ug/g	ND	82.8	70-122			
Boron	109	5.0	ug/g	ND	87.3	70-130			
Cadmium	126	0.5	ug/g	ND	101	70-130			
Chromium (VI)	3.9	0.2	ug/g	ND	77.5	70-130			
Chromium	140	5.0	ug/g	14.4	101	70-130			
Cobalt	128	1.0	ug/g	5.4	98.3	70-130			
Copper	140	5.0	ug/g	17.0	98.0	70-130			
Lead	166	1.0	ug/g	46.8	95.4	70-130			
Mercury	1.48	0.1	ug/g	ND	98.9	70-130			
Molybdenum	129	1.0	ug/g	1.0	102	70-130			
Nickel	135	5.0	ug/g	9.1	100	70-130			
Selenium	134	1.0	ug/g	ND	107	70-130			
Silver	128	0.3	ug/g	ND	102	70-130			
Thallium	119	1.0	ug/g	ND	95.3	70-130			
Uranium	127	1.0	ug/g	ND	102	70-130			
Vanadium	152	10.0	ug/g	23.9	102	70-130			
Zinc	241	20.0	ug/g	108	107	70-130			
PCBs									
PCBs, total	0.466	0.05	ug/g	ND	117	60-140			

Certificate of Analysis

Report Date: 28-Jul-2022

Client: Landtek Limited

Order Date: 21-Jul-2022

Client PO: 22122

Project Description: 22122

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
<i>Surrogate: Decachlorobiphenyl</i>	0.114		ug/g		114	60-140			
Pesticides, OC									
Aldrin	0.33	0.01	ug/g	ND	137	50-140			
gamma-BHC (Lindane)	0.24	0.01	ug/g	ND	102	50-140			
alpha-Chlordane	0.25	0.01	ug/g	ND	106	50-140			
gamma-Chlordane	0.25	0.01	ug/g	ND	104	50-140			
o,p'-DDD	0.27	0.01	ug/g	ND	114	50-140			
p,p'-DDD	0.30	0.02	ug/g	ND	127	50-140			
o,p'-DDE	0.25	0.01	ug/g	ND	106	50-140			
p,p'-DDE	0.27	0.01	ug/g	ND	112	50-140			
o,p'-DDT	0.30	0.01	ug/g	ND	124	50-140			
p,p'-DDT	0.33	0.01	ug/g	ND	137	50-140			
Dieldrin	0.30	0.02	ug/g	ND	127	50-140			
Endrin	0.30	0.02	ug/g	ND	125	50-140			
Endosulfan I	0.25	0.01	ug/g	ND	105	50-140			
Endosulfan II	0.27	0.02	ug/g	ND	113	50-140			
Heptachlor	0.30	0.01	ug/g	ND	124	50-140			
Heptachlor epoxide	0.26	0.01	ug/g	ND	109	50-140			
Hexachlorobenzene	0.26	0.01	ug/g	ND	109	50-140			
Hexachlorobutadiene	0.27	0.01	ug/g	ND	111	50-140			
Hexachloroethane	0.24	0.01	ug/g	ND	102	50-140			
Methoxychlor	0.18	0.01	ug/g	ND	74.0	50-140			
<i>Surrogate: Decachlorobiphenyl</i>	0.219		ug/g		91.7	50-140			
Semi-Volatiles									
Acenaphthene	0.481	0.02	ug/g	ND	88.8	50-140			
Acenaphthylene	0.496	0.02	ug/g	ND	91.7	50-140			
Anthracene	0.508	0.02	ug/g	ND	93.8	50-140			
Benzo [a] anthracene	0.540	0.02	ug/g	0.056	89.5	50-140			
Benzo [a] pyrene	0.481	0.02	ug/g	0.056	78.4	50-140			
Benzo [b] fluoranthene	0.407	0.02	ug/g	0.048	66.4	50-140			
Benzo [g,h,i] perylene	0.490	0.02	ug/g	0.049	81.6	50-140			

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Report Date: 28-Jul-2022

Client: Landtek Limited

Order Date: 21-Jul-2022

Client PO: 22122

Project Description: 22122

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Benzo [k] fluoranthene	0.432	0.02	ug/g	0.026	75.2	50-140			
Chrysene	0.498	0.02	ug/g	0.047	83.2	50-140			
Dibenzo [a,h] anthracene	0.514	0.02	ug/g	ND	95.0	50-140			
Fluoranthene	0.538	0.02	ug/g	0.108	79.4	50-140			
Fluorene	0.494	0.02	ug/g	ND	91.3	50-140			
Indeno [1,2,3-cd] pyrene	0.516	0.02	ug/g	0.051	86.1	50-140			
1-Methylnaphthalene	0.476	0.02	ug/g	ND	88.0	50-140			
2-Methylnaphthalene	0.470	0.02	ug/g	ND	86.8	50-140			
Naphthalene	0.477	0.01	ug/g	ND	88.2	50-140			
Phenanthrene	0.518	0.02	ug/g	0.070	82.8	50-140			
Pyrene	0.540	0.02	ug/g	0.088	83.5	50-140			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>0.436</i>		<i>ug/g</i>		<i>80.7</i>	<i>50-140</i>			
<i>Surrogate: Terphenyl-d14</i>	<i>0.459</i>		<i>ug/g</i>		<i>84.8</i>	<i>50-140</i>			
Volatiles									
Acetone	6.19	0.50	ug/g	ND	61.9	50-140			
Benzene	4.36	0.02	ug/g	ND	109	60-130			
Bromodichloromethane	4.07	0.05	ug/g	ND	102	60-130			
Bromoform	3.85	0.05	ug/g	ND	96.2	60-130			
Bromomethane	3.90	0.05	ug/g	ND	97.5	50-140			
Carbon Tetrachloride	4.02	0.05	ug/g	ND	101	60-130			
Chlorobenzene	4.52	0.05	ug/g	ND	113	60-130			
Chloroform	4.24	0.05	ug/g	ND	106	60-130			
Dibromochloromethane	4.03	0.05	ug/g	ND	101	60-130			
Dichlorodifluoromethane	2.64	0.05	ug/g	ND	65.9	50-140			
1,2-Dichlorobenzene	4.32	0.05	ug/g	ND	108	60-130			
1,3-Dichlorobenzene	4.41	0.05	ug/g	ND	110	60-130			
1,4-Dichlorobenzene	4.31	0.05	ug/g	ND	108	60-130			
1,1-Dichloroethane	4.37	0.05	ug/g	ND	109	60-130			
1,2-Dichloroethane	4.19	0.05	ug/g	ND	105	60-130			
1,1-Dichloroethylene	3.90	0.05	ug/g	ND	97.4	60-130			
cis-1,2-Dichloroethylene	4.37	0.05	ug/g	ND	109	60-130			

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Report Date: 28-Jul-2022

Client: Landtek Limited

Order Date: 21-Jul-2022

Client PO: 22122

Project Description: 22122

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
trans-1,2-Dichloroethylene	4.16	0.05	ug/g	ND	104	60-130			
1,2-Dichloropropane	4.44	0.05	ug/g	ND	111	60-130			
cis-1,3-Dichloropropylene	3.96	0.05	ug/g	ND	99.0	60-130			
trans-1,3-Dichloropropylene	3.90	0.05	ug/g	ND	97.6	60-130			
Ethylbenzene	4.55	0.05	ug/g	ND	114	60-130			
Ethylene dibromide (dibromoethane, 1,2-)	4.21	0.05	ug/g	ND	105	60-130			
Hexane	3.80	0.05	ug/g	ND	95.0	60-130			
Methyl Ethyl Ketone (2-Butanone)	6.94	0.50	ug/g	ND	69.4	50-140			
Methyl Isobutyl Ketone	8.92	0.50	ug/g	ND	89.2	50-140			
Methyl tert-butyl ether	10.0	0.05	ug/g	ND	100	50-140			
Methylene Chloride	4.00	0.05	ug/g	ND	99.9	60-130			
Styrene	4.45	0.05	ug/g	ND	111	60-130			
1,1,1,2-Tetrachloroethane	4.23	0.05	ug/g	ND	106	60-130			
1,1,2,2-Tetrachloroethane	4.35	0.05	ug/g	ND	109	60-130			
Tetrachloroethylene	4.45	0.05	ug/g	ND	111	60-130			
Toluene	4.56	0.05	ug/g	ND	114	60-130			
1,1,1-Trichloroethane	4.08	0.05	ug/g	ND	102	60-130			
1,1,2-Trichloroethane	4.47	0.05	ug/g	ND	112	60-130			
Trichloroethylene	4.46	0.05	ug/g	ND	111	60-130			
Trichlorofluoromethane	3.56	0.05	ug/g	ND	88.9	50-140			
Vinyl chloride	2.99	0.02	ug/g	ND	74.6	50-140			
m,p-Xylenes	8.84	0.05	ug/g	ND	110	60-130			
o-Xylene	4.41	0.05	ug/g	ND	110	60-130			
Surrogate: 4-Bromofluorobenzene	8.26		ug/g		103	50-140			
Surrogate: Dibromofluoromethane	8.94		ug/g		112	50-140			
Surrogate: Toluene-d8	7.89		ug/g		98.5	50-140			

Certificate of Analysis

Client: Landtek Limited

Client PO: 22122

Report Date: 28-Jul-2022

Order Date: 21-Jul-2022

Project Description: 22122

Qualifier Notes:

QC Qualifiers:

Sample Data Revisions:

None

Work Order Revisions / Comments:

None

Other Report Notes:

n/a: not applicable

ND: Not Detected

MDL: Method Detection Limit

Source Result: Data used as source for matrix and duplicate samples

%REC: Percent recovery.

RPD: Relative percent difference.

NC: Not Calculated

CCME PHC additional information:

- The method for the analysis of PHCs complies with the Reference Method for the CWS PHC and is validated for use in the laboratory. All prescribed quality criteria identified in the method has been met.
- F1 range corrected for BTEX.
- F2 to F3 ranges corrected for appropriate PAHs where available.
- The gravimetric heavy hydrocarbons (F4G) are not to be added to C6 to C50 hydrocarbons.
- In the case where F4 and F4G are both reported, the greater of the two results is to be used for comparison to CWS PHC criteria.
- When reported, data for F4G has been processed using a silica gel cleanup.

Any use of these results implies your agreement that our total liability in connection with this work, however arising, shall be limited to the amount paid by you for this work, and that our employees or agents shall not under any circumstances be liable to you in connection with this work.



Client Name: <u>Landtek</u>	Project Ref: <u>22122</u>	Page <u>1</u> of <u>2</u>
Contact Name: <u>Rachel Hlywka</u>	Quote #:	Turnaround Time <input type="checkbox"/> 1 day <input type="checkbox"/> 3 day <input type="checkbox"/> 2 day <input checked="" type="checkbox"/> Regular Date Required: _____
Address: <u>205 Nebo Rd. Hamilton.</u>	PO #: <u>22122</u>	
Telephone:	E-mail: <u>Rachel@Landtek.ca</u> <u>Nicole@Landtek.ca</u>	

<input checked="" type="checkbox"/> REG 153/04 <input type="checkbox"/> REG 406/19 Other Regulation		Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)		Required Analysis									
<input checked="" type="checkbox"/> Table 1 <input type="checkbox"/> Res/Park <input checked="" type="checkbox"/> Med/Fine <input type="checkbox"/> Table 2 <input checked="" type="checkbox"/> Ind/Comm <input type="checkbox"/> Coarse <input type="checkbox"/> Table 3 <input type="checkbox"/> Agri/Other <input type="checkbox"/> Table _____ For RSC: <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> REG 558 <input type="checkbox"/> PWQO <input type="checkbox"/> CCME <input type="checkbox"/> MISA <input type="checkbox"/> SU - Sani <input type="checkbox"/> SU - Storm Mun: _____ <input type="checkbox"/> Other: _____	Matrix	Air Volume	# of Containers	Sample Taken		cc Pesticides	m/i	PHC/VOC	PAH	PCBs	metal	limited
Sample ID/Location Name					Date	Time							
1	Stream 1	S			July 19.22		X	X	X	X	X		
2	Stream 2	S			↓		X	X	X	X	X		
3	Stream 3	S						X				X	
4	Stream 3 Dup	S						X					
5	Stream 4	S						X	X	X	X		
6	Bank 1	S						X	X	X	X		
7	Bank 2	S						X	X	X	X		
8	Bank 3	S						X	X	X	X		
9	Bank 4	S						X	X	X	X		
10	Bank 4 Dup	S										X	

Comments:		Method of Delivery: <u>Drop box</u>	
Relinquished By (Sign): <u>Rachel Hlywka</u>	Received By Driver/Depot:	Received at Lab: <u>C-PLY</u>	Verified By: <u>C-PLY</u>
Relinquished By (Print): <u>Rachel Hlywka</u>	Date/Time:	Date/Time: <u>July 21/22 8:30</u>	Date/Time: <u>July 21/22 9:30</u>
Date/Time: <u>July 20.22 6:30pm</u>	Temperature: _____ °C	Temperature: <u>17.8</u> °C	pH Verified: <input type="checkbox"/> By: _____



Client Name: Landtek	Project Ref: 22122	Page 2 of 2
Contact Name: Rachel Hlywka	Quote #:	Turnaround Time <input type="checkbox"/> 1 day <input type="checkbox"/> 3 day <input type="checkbox"/> 2 day <input checked="" type="checkbox"/> Regular
Address: 205 Nebo Rd. Hamilton	PO #: 22122	
Telephone:	E-mail: Rachel@Landtek.ca, Nicole@Landtek.ca	
		Date Required: _____

<input checked="" type="checkbox"/> REG 153/04 <input type="checkbox"/> REG 406/19 Other Regulation <input checked="" type="checkbox"/> Table 1 <input type="checkbox"/> Res/Park <input checked="" type="checkbox"/> Med/Fine <input type="checkbox"/> REG 558 <input type="checkbox"/> PW00 <input type="checkbox"/> Table 2 <input checked="" type="checkbox"/> Ind/Comm <input type="checkbox"/> Coarse <input type="checkbox"/> CCME <input type="checkbox"/> MISA <input type="checkbox"/> Table 3 <input type="checkbox"/> Agri/Other <input type="checkbox"/> SU - Sani <input type="checkbox"/> SU - Storm <input type="checkbox"/> Table _____ For RSC: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Other: _____		Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)		Required Analysis														
Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken		OC Pesticide	M/I	PHC/VOC	PAH	PCBs								
				Date	Time													
1 Bank 5	S			July 19.22		X	X	X	X	X								
2 Bank 6	S			↓		X	X	X	X	X								
3 Bank 7	S					X	X	X	X	X								
4 Bank 8	S					X	X	X	X	X								
5																		
6																		
7																		
8																		
9																		
10																		

Comments:		Method of Delivery: Drop box	
Relinquished By (Sig): Rachel Hlywka	Received By Driver/Depot: C-Plu	Received at Lab: C-Plu	Verified By: C-Plu
Relinquished By (Print): Rachel Hlywka	Date/Time: July 20.22	Date/Time: July 21/22 8:30	Date/Time: July 21/22 9:38
Date/Time: July 20.22	Temperature: _____ °C	Temperature: 12.8 °C	pH Verified: <input type="checkbox"/> By: _____