



Amended Report

Report No.: 19-24854-2

Initial Date of Issue: 29-Jul-2019 **Date of Re-Issue:** 14-Aug-2019

Client: SEGI-AT

Client Address: ul. Korkowa 24A
04-502
Warszawa
Poland

Contact(s): Aleksandra Urbaniak-Sloma
Michal Jarosz

Project: Bydgoszcz, Projekt RDOS Zachem

Quotation No.: **Date Received:** 23-Jul-2019


Order No.: **Date Instructed:** 23-Jul-2019

No. of Samples: 10

Turnaround (Wkdays): 13 **Results Due:** 08-Aug-2019

Date Approved: 14-Aug-2019

Approved By:



Details: Martin Dyer, Laboratory Manager

Results - Soil

Client: SEGI-AT	Chemtest Job No.: 19-24854													
Quotation No.:	Chemtest Sample ID.: 862903													
	Client Sample ID.:		1	2	3	4	5	6	8	9	10	11		
	Sample Location:		O-1/1	O-1/2	O-1/3	O-1/4	O-1/5	O-1/6	O-1/8	O-1/9	O-1/10	O-1/11		
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL		
	Top Depth (m):		0.25	1.00	3.00	5.00	7.00	9.00	13.00	15.00	17.00	19.00		
	Bottom Depth (m):		1.00	3.00	5.00	7.00	9.00	11.00	15.00	17.00	19.00	21.00		
	Date Sampled:		18-Jul-2019	18-Jul-2019	18-Jul-2019	18-Jul-2019	18-Jul-2019	18-Jul-2019	18-Jul-2019	18-Jul-2019	18-Jul-2019	18-Jul-2019		
Determinand	Accred.	SOP	Units	LOD										
Moisture	N	2030	%	0.020	1.5	2.9	6.0	14	15	15	13	11	11	14
Arsenic	U	2450	mg/kg	1.0	< 1.0	< 1.0	< 1.0	1.6	1.6	1.4	< 1.0	1.0	4.3	< 1.0
Barium	U	2450	mg/kg	10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	18	< 10
Cadmium	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cobalt	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	2.7	< 2.0
Chromium	U	2450	mg/kg	1.0	2.5	2.6	2.6	3.0	2.5	2.0	1.1	1.6	5.9	2.8
Molybdenum	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Tin	N	2450	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Copper	U	2450	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	7.4	< 0.50
Mercury	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	U	2450	mg/kg	0.50	1.2	1.0	0.80	1.0	0.90	0.91	1.1	1.2	6.0	1.1
Lead	U	2450	mg/kg	0.50	1.3	1.1	0.93	1.0	1.0	0.88	0.57	0.68	8.6	1.0
Zinc	U	2450	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	18	< 0.50
Total Organic Carbon	U	2625	%	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	1.2	< 0.20
Naphthalene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 9 PAH's	U	2700	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Of 16 PAH's	U	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Total BTEX	U	2760	mg/kg	0.010				< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Trichloroethene	N	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Toluene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Tetrachloroethene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Ethylbenzene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Results - Soil

Client: SEGI-AT	Chemtest Job No.:												
Quotation No.:	Chemtest Sample ID.:												
	Client Sample ID.:	1	2	3	4	5	6	8	9	10	11		
	Sample Location:	O-1/1	O-1/2	O-1/3	O-1/4	O-1/5	O-1/6	O-1/8	O-1/9	O-1/10	O-1/11		
	Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL		
	Top Depth (m):	0.25	1.00	3.00	5.00	7.00	9.00	13.00	15.00	17.00	19.00		
	Bottom Depth (m):	1.00	3.00	5.00	7.00	9.00	11.00	15.00	17.00	19.00	21.00		
	Date Sampled:	18-Jul-2019	18-Jul-2019	18-Jul-2019	18-Jul-2019	18-Jul-2019	18-Jul-2019	18-Jul-2019	18-Jul-2019	18-Jul-2019	18-Jul-2019		
Determinand	Accred.	SOP	Units	LOD									
m & p-Xylene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
o-Xylene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Styrene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Epichlorohydrin	N	2760	mg/kg	0.010				< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Nitrobenzene	U	2790	mg/kg	0.50				< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloroaniline	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
2-Nitroaniline	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
3-Nitroaniline	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
4-Nitroaniline	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
5-Nitro-o-toluidine	N	2790	mg/kg	0.25				< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
4-tert-Octylphenol	N	2790	mg/kg	5.00				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
o-Toluidine	N	2790	mg/kg	0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Aminobiphenyl	N	2790	mg/kg	0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aniline	N	2790	mg/kg	0.50				< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Diphenylamine	N	2790	mg/kg	0.075				< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075
Resorcinol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Phenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	0.15	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Cresols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	0.35	0.082	< 0.050	< 0.050	< 0.050	< 0.050
Xylenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	0.12	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1-Naphthol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trimethylphenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Total Phenols	U	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30	0.62	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
AOX in Soil	N	1265	mg/kg	0.10				1.7	1.3	1.6	1.7	1.5	2.2
4-Hydroxybiphenyl	N	1790	mg/kg	5.00				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Hydroxybiphenyl	N	1790	mg/kg	5.00				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Diphenyl Sulfone	N	1790	mg/kg	5.00				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Report Information

Key

- U UKAS accredited
- M MCERTS and UKAS accredited
- N Unaccredited
- S This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
- SN This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
- T This analysis has been subcontracted to an unaccredited laboratory
- I/S Insufficient Sample
- U/S Unsuitable Sample
- N/E not evaluated
- < "less than"
- > "greater than"

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



SPRAWOZDANIE Z BADAŃ (z naniesionymi zmianami)

Numer sprawozdania:	19-24854-2		
Data wydania:	29-Jul-2019	Data ponownego wydania:	14-Aug-2019
Klient:	SEGI-AT		
Adres klienta:	ul. Korkowa 24A 04-502 Warszawa Poland		
Kontakt/y:	Aleksandra Urbaniak-Sloma Michał Jarosz		
Projekt:	Bydgoszcz, Projekt RDOS Zachem		
Numer oferty:		Data przyjęcia próbek:	23-Jul-2019
Numer wyceny:		Data rejestracji próbek:	23-Jul-2019
Ilość próbek:	10	Termin docelowy:	08-Aug-2019
Czas realizacji zlecenia: (ilość dni roboczych)	13	Termin realizacji zlecenia:	08-Aug-2019
Data zatwierdzenia:	14-Aug-2019		
Zatwierdził:		Tłumaczenie:	
Szczegóły:	Martin Dyer, Laboratory Manager		mgr Michał Jarosz, Account Manager

Wyniki badań gleby/gruntu

Klient: SEGI-AT	Chemtest Job No.:				19-24854	19-24854	19-24854	19-24854	19-24854	19-24854	19-24854	19-24854
Numer oferty:	Chemtest Sample ID.:				862903	862904	862905	862906	862907	862908	862909	862910
	Nr identyfikacyjny próbki:				1	2	3	4	5	6	8	9
	Nr otworu/lokalizacja:				O-1/1	O-1/2	O-1/3	O-1/4	O-1/5	O-1/6	O-1/8	O-1/9
	Matryca:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Głębokość od (m):				0.25	1.00	3.00	5.00	7.00	9.00	13.00	15.00
	Głębokość do (m):				1.00	3.00	5.00	7.00	9.00	11.00	15.00	17.00
	Pobrano przez zleceniodawcę zgodnie z ISO 10381-5				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Data poboru próbek				18-Jul-2019	18-Jul-2019	18-Jul-2019	18-Jul-2019	18-Jul-2019	18-Jul-2019	18-Jul-2019	18-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji								
Wilgotnosc	N	2030	%	0.020	1.5	2.9	6.0	14	15	15	13	11
Arsen	U	2450	mg/kg	1.0	< 1.0	< 1.0	< 1.0	1.6	1.6	1.4	< 1.0	1.0
Bar	U	2450	mg/kg	10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Kadm	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Kobalt	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chrom	U	2450	mg/kg	1.0	2.5	2.6	2.6	3.0	2.5	2.0	1.1	1.6
Molibden	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Cyna	N	2450	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Miedź	U	2450	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Rtec	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nikiel	U	2450	mg/kg	0.50	1.2	1.0	0.80	1.0	0.90	0.91	1.1	1.2
Ółów	U	2450	mg/kg	0.50	1.3	1.1	0.93	1.0	1.0	0.88	0.57	0.68
Cynk	U	2450	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Ogólny węgiel organiczny (TOC)	U	2625	%	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Naftalen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaftylen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaften	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fenantren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(a)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chryzen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(b)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(k)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(a)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-cd)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenzo(a,h)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(g,h,i)perylen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Suma WWA (9 związków)	U	2700	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Suma WWA (16 związków)	U	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Suma BTEX	U	2760	mg/kg	0.010				< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzen	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Trichloroeten	N	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Toluen	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Tetrachloroeten	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Wyniki badań gleby/gruntu

Klient: SEGI-AT	Chemtest Job No.:				19-24854	19-24854	19-24854	19-24854	19-24854	19-24854	19-24854	19-24854
Numer oferty:	Chemtest Sample ID.:				862903	862904	862905	862906	862907	862908	862909	862910
	Nr identyfikacyjny próbki:				1	2	3	4	5	6	8	9
	Nr otworu/lokalizacja:				O-1/1	O-1/2	O-1/3	O-1/4	O-1/5	O-1/6	O-1/8	O-1/9
	Matryca:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Głębokość od (m):				0.25	1.00	3.00	5.00	7.00	9.00	13.00	15.00
	Głębokość do (m):				1.00	3.00	5.00	7.00	9.00	11.00	15.00	17.00
	Pobrano przez zleceniodawcę zgodnie z ISO 10381-5				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Data poboru próbki				18-Jul-2019	18-Jul-2019	18-Jul-2019	18-Jul-2019	18-Jul-2019	18-Jul-2019	18-Jul-2019	18-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji								
Etylobenzen	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
m & p-Ksilen	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
o-Ksilen	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Styren	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Epichlorohydryna	N	2760	mg/kg	0.010				< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Nitrobenzen	U	2790	mg/kg	0.50				< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloroanilina	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
2-Nitroanilina	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
3-Nitroanilina	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
4-Nitroanilina	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
5-Nitro-o-toluidyna	N	2790	mg/kg	0.25				< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
4-tert-Oktylofenol	N	2790	mg/kg	5.00				<5.0	<5.0	<5.0	<5.0	<5.0
o-Toluidyna	N	2790	mg/kg	0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Aminobifenyl	N	2790	mg/kg	0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anilina	N	2790	mg/kg	0.50				< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Difenyloamina	N	2790	mg/kg	0.075				< 0.075	< 0.075	< 0.075	< 0.075	< 0.075
Rezorcyne	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Fenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.15	< 0.050	< 0.050	< 0.050
Krezole	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.35	0.082	< 0.050	< 0.050
Ksylenole	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.12	< 0.050	< 0.050	< 0.050
1-Naftol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trimetylofenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Fenole suma	U	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30	< 0.30	0.62	< 0.30	< 0.30	< 0.30
AOX	N	1265	mg/kg	0.10				1.7	1.3	1.6	1.7	1.5
4-Hidroksybifenyl	N	1790	mg/kg	5.00				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Hidroksybifenyl	N	1790	mg/kg	5.00				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Sulfon difenyłowy	N	1790	mg/kg	5.00				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Wyniki badań gleby/gruntu

Klient: SEGI-AT	Chemtest Job No.:				19-24854	19-24854
Numer oferty:	Chemtest Sample ID.:				862911	862912
	Nr identyfikacyjny próbki:				10	11
	Nr otworu/lokalizacja:				O-1/10	O-1/11
	Matryca:				SOIL	SOIL
	Głębokość od (m):				17.00	19.00
	Głębokość do (m):				19.00	21.00
	Pobrano przez zleceniodawcę zgodnie z ISO 10381-5				Yes	Yes
	Data poboru próbki				18-Jul-2019	18-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji		
Wilgotnosc	N	2030	%	0.020	11	14
Arsen	U	2450	mg/kg	1.0	4.3	< 1.0
Bar	U	2450	mg/kg	10	18	< 10
Kadm	U	2450	mg/kg	0.10	< 0.10	< 0.10
Kobalt	U	2450	mg/kg	2.0	2.7	< 2.0
Chrom	U	2450	mg/kg	1.0	5.9	2.8
Molibden	U	2450	mg/kg	2.0	< 2.0	< 2.0
Cyna	N	2450	mg/kg	5.0	< 5.0	< 5.0
Miedź	U	2450	mg/kg	0.50	7.4	< 0.50
Rtec	U	2450	mg/kg	0.10	< 0.10	< 0.10
Nikiel	U	2450	mg/kg	0.50	6.0	1.1
Ółów	U	2450	mg/kg	0.50	8.6	1.0
Cynk	U	2450	mg/kg	0.50	18	< 0.50
Ogólny węgiel organiczny (TOC)	U	2625	%	0.20	1.2	< 0.20
Naftalen	U	2700	mg/kg	0.10	< 0.10	< 0.10
Acenaftylen	U	2700	mg/kg	0.10	< 0.10	< 0.10
Acenaften	U	2700	mg/kg	0.10	< 0.10	< 0.10
Fluoren	U	2700	mg/kg	0.10	< 0.10	< 0.10
Fenantren	U	2700	mg/kg	0.10	< 0.10	< 0.10
Antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10
Fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10
Piren	U	2700	mg/kg	0.10	< 0.10	< 0.10
Benzo(a)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10
Chryzen	U	2700	mg/kg	0.10	< 0.10	< 0.10
Benzo(b)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10
Benzo(k)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10
Benzo(a)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10
Indeno(1,2,3-cd)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10
Dibenzo(a,h)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10
Benzo(g,h,i)perylen	U	2700	mg/kg	0.10	< 0.10	< 0.10
Suma WWA (9 związków)	U	2700	mg/kg	1.0	< 1.0	< 1.0
Suma WWA (16 związków)	U	2700	mg/kg	2.0	< 2.0	< 2.0
Suma BTEX	U	2760	mg/kg	0.010	< 0.010	< 0.010
Benzen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010
Trichloroeten	N	2760	mg/kg	0.0010	< 0.0010	< 0.0010
Toluen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010
Tetrachloroeten	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010

Wyniki badań gleby/gruntu

Klient: SEGI-AT	Chemtest Job No.:				19-24854	19-24854
Numer oferty:	Chemtest Sample ID.:				862911	862912
	Nr identyfikacyjny próbki:				10	11
	Nr otworu/lokalizacja:				O-1/10	O-1/11
	Matryca:				SOIL	SOIL
	Głębokość od (m):				17.00	19.00
	Głębokość do (m):				19.00	21.00
	Pobrano przez zleceniodawcę zgodnie z ISO 10381-5				Yes	Yes
	Data poboru próbki				18-Jul-2019	18-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji		
Etylobenzen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010
m & p-Ksilen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010
o-Ksilen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010
Styren	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010
Epichlorohydryna	N	2760	mg/kg	0.010	< 0.010	< 0.010
Nitrobenzen	U	2790	mg/kg	0.50	< 0.50	< 0.50
4-Chloroanilina	N	2790	mg/kg	0.050	< 0.050	< 0.050
2-Nitroanilina	N	2790	mg/kg	0.050	< 0.050	< 0.050
3-Nitroanilina	N	2790	mg/kg	0.050	< 0.050	< 0.050
4-Nitroanilina	N	2790	mg/kg	0.050	< 0.050	< 0.050
5-Nitro-o-toluidyna	N	2790	mg/kg	0.25	< 0.25	< 0.25
4-tert-Oktylofenol	N	2790	mg/kg	5.00	< 5.0	< 5.0
o-Toluidyna	N	2790	mg/kg	0.10	< 0.10	< 0.10
4-Aminobifenyl	N	2790	mg/kg	0.10	< 0.10	< 0.10
Anilina	N	2790	mg/kg	0.50	< 0.50	< 0.50
Difenyloamina	N	2790	mg/kg	0.075	< 0.075	< 0.075
Rezorcyna	U	2920	mg/kg	0.050	< 0.050	< 0.050
Fenol	U	2920	mg/kg	0.050	< 0.050	< 0.050
Krezole	U	2920	mg/kg	0.050	< 0.050	< 0.050
Ksilenole	U	2920	mg/kg	0.050	< 0.050	< 0.050
1-Naftol	N	2920	mg/kg	0.050	< 0.050	< 0.050
Trimetylofenol	U	2920	mg/kg	0.050	< 0.050	< 0.050
Fenole suma	U	2920	mg/kg	0.30	< 0.30	< 0.30
AOX	N	1265	mg/kg	0.10	2.2	1.8
4-Hidroksybifenyl	N	1790	mg/kg	5.00	< 5.0	< 5.0
2-Hidroksybifenyl	N	1790	mg/kg	5.00	< 5.0	< 5.0
Sulfon difenylowy	N	1790	mg/kg	5.00	< 5.0	< 5.0

Dodatkowe informacje/Słownik skrótów**Skróty**

U	Akredytacja UKAS
M	Akredytacja UKAS i MCERTS
N	Brak akredytacji
S	Analiza podzlecona, akredytowana
SN	Analiza podzlecona nieakredytowana, badana w akredytowanym laboratorium
T	Analiza podzlecona, badana w nieakredytowanym laboratorium
I/S	Niewystarczająca ilość materiału badawczego
U/S	Nieodpowiednia próbka
N/E	Nie oceniono
SOP	Standardowa procedura operacyjna
<	Znak < znaczy "mniejszy od"
>	Znak > znaczy "większy od"

Komentarze i interpretacje są poza zakresem akredytacji UKAS

Wyniki w sprawozdaniu dotyczą jedynie badanego obiektu, dostarczonego do laboratorium.

Prezentowanie wyników wraz z wartością niepewności jest możliwe na życzenie klienta

Wyniki badań w niniejszym sprawozdaniu nie zostały skorygowane z wartością niepewności

Wszystkie wyniki są wyrażone w przeliczeniu na suchą masę

Wyniki następujących testów zostały skorygowane do zawartości suchej masy: Węglowodory rop., BTEX, LZO, półlotne związki organiczne, PCB, fenole

Pozostałe badania próbek zostały wykonane na suchej zawartości próbki uprzednio wysuszonej w temperaturze <37°C

Badania azbestu są wykonywane w laboratorium w Coventry.

Numery wydania są ponumerowane kolejno zaczynając od 1.

Skróty przy wyniku dla próbek, które mogły utracić stabilność

- A - Nie podano daty poboru próbki
- B - Próbka, która mogła utracić stabilność w wyniku zbyt długiego przechowywania
- C - Próbka dostarczona w nieodpowiednim pojemniku.
- D - Uszkodzone opakowanie
- E - Niewystarczająca ilość próbki

Przechowywanie oraz utylizacja

Wszystkie próbki gleby/gruntu otrzymane przez nasze laboratorium będą magazynowane przez okres 45 dni

Wszystkie próbki wody otrzymane przez nasze laboratorium będą magazynowane przez okres 14 dni

W przypadku wydłużenia czasu magazynowania próbek na prośbę klienta, może zostać naliczona dodatkowa opłata

Jeżeli mają Państwo jakiegokolwiek pytania prosimy o kontakt z obsługą klienta

customerservices@chemtest.com



Amended Report

Report No.: 19-25399-2

Initial Date of Issue: 02-Aug-2019 **Date of Re-Issue:** 14-Aug-2019

Client: SEGI-AT

Client Address: ul. Korkowa 24A
04-502
Warszawa
Poland

Contact(s): Aleksandra Urbaniak-Sloma
Michal Jarosz

Project: BYDGOSZCZ, PROJEKT RDOS
ZACHEM

Quotation No.: **Date Received:** 29-Jul-2019

Order No.: **Date Instructed:** 29-Jul-2019

No. of Samples: 4

Turnaround (Wkdays): 9 **Results Due:** 08-Aug-2019

Date Approved: 14-Aug-2019

Approved By:



Details: Martin Dyer, Laboratory Manager

Client: SEGI-AT	Chemtest Job No.:				19-25399	19-25399	19-25399	19-25399
Quotation No.:	Chemtest Sample ID.:				865078	865079	865080	865081
	Sample Location:				O-1/7	O-6/6	O-7/8	O-7/9
	Sample Type:				SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				11.00	9.00	13.00	15.00
	Bottom Depth (m):				13.00	11.00	15.00	17.00
	Date Sampled:				18-Jul-2019	16-Jul-2019	17-Jul-2019	17-Jul-2019
Determinand	Accred.	SOP	Units	LOD				
Moisture	N	2030	%	0.020	16	14	17	14
Arsenic	U	2450	mg/kg	1.0	1.6	1.8	1.7	1.7
Barium	U	2450	mg/kg	10	< 10	< 10	< 10	< 10
Cadmium	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cobalt	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chromium	U	2450	mg/kg	1.0	3.6	1.7	1.4	2.1
Molybdenum	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0
Tin	N	2450	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0
Copper	U	2450	mg/kg	0.50	26	0.72	0.60	1.4
Mercury	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	U	2450	mg/kg	0.50	2.5	1.1	1.0	2.2
Lead	U	2450	mg/kg	0.50	2.9	0.89	0.76	1.1
Zinc	U	2450	mg/kg	0.50	21	3.0	2.6	4.7
Total Organic Carbon	U	2625	%	0.20	< 0.20	< 0.20	< 0.20	< 0.20
Naphthalene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 9 PAH's	U	2700	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Of 16 PAH's	U	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0
Total BTEX	U	2760	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Trichloroethene	N	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Toluene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Tetrachloroethene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Ethylbenzene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
m & p-Xylene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Client: SEGI-AT	Chemtest Job No.:				19-25399	19-25399	19-25399	19-25399
Quotation No.:	Chemtest Sample ID.:				865078	865079	865080	865081
	Sample Location:				O-1/7	O-6/6	O-7/8	O-7/9
	Sample Type:				SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				11.00	9.00	13.00	15.00
	Bottom Depth (m):				13.00	11.00	15.00	17.00
	Date Sampled:				18-Jul-2019	16-Jul-2019	17-Jul-2019	17-Jul-2019
Determinand	Accred.	SOP	Units	LOD				
o-Xylene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Styrene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Epichlorohydrin	N	2760	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010
Nitrobenzene	U	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloroaniline	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
2-Nitroaniline	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
3-Nitroaniline	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
4-Nitroaniline	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
5-Nitro-o-toluidine	N	2790	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25
4-tert-Octylphenol	N	2790	mg/kg	5.00	< 5.0	< 5.0	< 5.0	< 5.0
o-Toluidine	N	2790	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Aminobiphenyl	N	2790	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aniline	N	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Diphenylamine	N	2790	mg/kg	0.075	< 0.075	< 0.075	< 0.075	< 0.075
Resorcinol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
Phenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
Cresols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
Xylenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	0.060	< 0.050
1-Naphthol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trimethylphenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
Total Phenols	U	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30	< 0.30
AOX in Soil	N	1265	mg/kg	0.10	0.98	1.2	1.2	0.88
4-Hydroxybiphenyl	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0	< 5.0
2-Hydroxybiphenyl	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0	< 5.0
Diphenyl Sulfone	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0	< 5.0

Report Information

Key

- U UKAS accredited
- M MCERTS and UKAS accredited
- N Unaccredited
- S This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
- SN This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
- T This analysis has been subcontracted to an unaccredited laboratory
- I/S Insufficient Sample
- U/S Unsuitable Sample
- N/E not evaluated
- < "less than"
- > "greater than"

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



SPRAWOZDANIE Z BADAŃ (z naniesionymi zmianami)

Numer sprawozdania:	19-25399-2		
Data wydania:	02-Aug-2019	Data ponownego wydania:	14-Aug-2019
Klient:	SEGI-AT		
Adres klienta:	ul. Korkowa 24A 04-502 Warszawa Poland		
Kontakt/y:	Aleksandra Urbaniak-Sloma Michał Jarosz		
Projekt:	BYDGOSZCZ, PROJEKT RDOS ZACHEM		
Numer oferty:		Data przyjęcia próbek:	29-Jul-2019
Numer wyceny:		Data rejestracji próbek:	29-Jul-2019
Ilość próbek:	4	Termin docelowy:	08-Aug-2019
Czas realizacji zlecenia: (ilość dni roboczych)	9	Termin realizacji zlecenia:	08-Aug-2019
Data zatwierdzenia:	14-Aug-2019		
Zatwierdził:		Tłumaczenie:	
Szczegóły:	Martin Dyer, Laboratory Manager		mgr Michał Jarosz, Account Manager

Wyniki badań gleby/gruntu

Klient: SEGI-AT	Chemtest Job No.:				19-25399	19-25399	19-25399	19-25399
Numer oferty:	Chemtest Sample ID.:				865078	865079	865080	865081
	Nr otworu/lokalizacja:				O-1/7	O-6/6	O-7/8	O-7/9
	Matryca:				SOIL	SOIL	SOIL	SOIL
	Głębokość od (m):				11.00	9.00	13.00	15.00
	Głębokość do (m):				13.00	11.00	15.00	17.00
	Pobrano przez zleceniodawcę zgodnie z ISO 10381-5				Yes	Yes	Yes	Yes
	Data poboru próbki				18-Jul-2019	16-Jul-2019	17-Jul-2019	17-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji				
Wilgotność	N	2030	%	0.020	16	14	17	14
Arsen	U	2450	mg/kg	1.0	1.6	1.8	1.7	1.7
Bar	U	2450	mg/kg	10	< 10	< 10	< 10	< 10
Kadm	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Kobalt	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chrom	U	2450	mg/kg	1.0	3.6	1.7	1.4	2.1
Molibden	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0
Cyna	N	2450	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0
Miedź	U	2450	mg/kg	0.50	26	0.72	0.60	1.4
Rtec	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nikiel	U	2450	mg/kg	0.50	2.5	1.1	1.0	2.2
Ołów	U	2450	mg/kg	0.50	2.9	0.89	0.76	1.1
Cynk	U	2450	mg/kg	0.50	21	3.0	2.6	4.7
Ogólny węgiel organiczny (TOC)	U	2625	%	0.20	< 0.20	< 0.20	< 0.20	< 0.20
Naftalen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaftylen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaften	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fenantren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(a)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chryzen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(b)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(k)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(a)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-cd)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenzo(a,h)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(g,h,i)perylen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Suma WWA (9 związków)	U	2700	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Suma WWA (16 związków)	U	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0
Suma BTEX	U	2760	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Trichloroeten	N	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Toluen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Tetrachloroeten	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Etylobenzen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Wyniki badań gleby/gruntu

Klient: SEGI-AT	Chemtest Job No.:				19-25399	19-25399	19-25399	19-25399
Numer oferty:	Chemtest Sample ID.:				865078	865079	865080	865081
	Nr otworu/lokalizacja:				O-1/7	O-6/6	O-7/8	O-7/9
	Matryca:				SOIL	SOIL	SOIL	SOIL
	Głębokość od (m):				11.00	9.00	13.00	15.00
	Głębokość do (m):				13.00	11.00	15.00	17.00
	Pobrano przez zleceniodawcę zgodnie z ISO 10381-5				Yes	Yes	Yes	Yes
	Data poboru próbki				18-Jul-2019	16-Jul-2019	17-Jul-2019	17-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji				
m & p-Ksilen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
o-Ksilen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Styren	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Epichlorohydryna	N	2760	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010
Nitrobenzen	U	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloroanilina	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
2-Nitroanilina	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
3-Nitroanilina	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
4-Nitroanilina	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
5-Nitro-o-toluidyna	N	2790	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25
4-tert-Oktylofenol	N	2790	mg/kg	5.00	<5.0	<5.0	<5.0	<5.0
o-Toluidyna	N	2790	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Aminobifenyl	N	2790	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anilina	N	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Difenyloamina	N	2790	mg/kg	0.075	< 0.075	< 0.075	< 0.075	< 0.075
Rezorcyzna	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
Fenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
Krezole	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
Ksylenele	U	2920	mg/kg	0.050	< 0.050	< 0.050	0.060	< 0.050
1-Naftol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trimetylofenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
Fenole suma	U	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30	< 0.30
AOX	N	1265	mg/kg	0.10	0.98	1.2	1.2	0.88
4-Hydroksybifenyl	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0	< 5.0
2-Hydroksybifenyl	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0	< 5.0
Sulfon difenyłowy	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0	< 5.0

Dodatkowe informacje/Słownik skrótów**Skróty**

U	Akredytacja UKAS
M	Akredytacja UKAS i MCERTS
N	Brak akredytacji
S	Analiza podzlecona, akredytowana
SN	Analiza podzlecona nieakredytowana, badana w akredytowanym laboratorium
T	Analiza podzlecona, badana w nieakredytowanym laboratorium
I/S	Niewystarczająca ilość materiału badawczego
U/S	Nieodpowiednia próbka
N/E	Nie oceniono
SOP	Standardowa procedura operacyjna
<	Znak < znaczy "mniejszy od"
>	Znak > znaczy "większy od"

Komentarze i interpretacje są poza zakresem akredytacji UKAS

Wyniki w sprawozdaniu dotyczą jedynie badanego obiektu, dostarczonego do laboratorium.

Prezentowanie wyników wraz z wartością niepewności jest możliwe na życzenie klienta

Wyniki badań w niniejszym sprawozdaniu nie zostały skorygowane z wartością niepewności

Wszystkie wyniki są wyrażone w przeliczeniu na suchą masę

Wyniki następujących testów zostały skorygowane do zawartości suchej masy: Węglowodory rop., BTEX, LZO, półlotne związki organiczne, PCB, fenole

Pozostałe badania próbek zostały wykonane na suchej zawartości próbki uprzednio wysuszonej w temperaturze <37°C

Badania azbestu są wykonywane w laboratorium w Coventry.

Numery wydania są ponumerowane kolejno zaczynając od 1.

Skróty przy wyniku dla próbek, które mogły utracić stabilność

- A - Nie podano daty poboru próbki
- B - Próbką, która mogła utracić stabilność w wyniku zbyt długiego przechowywania
- C - Próbką dostarczoną w nieodpowiednim pojemniku.
- D - Uszkodzone opakowanie
- E - Niewystarczająca ilość próbki

Przechowywanie oraz utylizacja

Wszystkie próbki gleby/gruntu otrzymane przez nasze laboratorium będą magazynowane przez okres 45 dni

Wszystkie próbki wody otrzymane przez nasze laboratorium będą magazynowane przez okres 14 dni

W przypadku wydłużenia czasu magazynowania próbek na prośbę klienta, może zostać naliczona dodatkowa opłata

Jeżeli mają Państwo jakiegokolwiek pytania prosimy o kontakt z obsługą klienta

customerservices@chemtest.com



Final Report

Report No.: 19-25916-1

Initial Date of Issue: 08-Aug-2019

Client SEGI-AT

Client Address: ul. Korkowa 24A
04-502
Warszawa
Poland

Contact(s): Aleksandra Urbaniak-Sloma
Michal Jarosz

Project BYDGOSZCZ, PROJEKT RDOS
ZACHEM

Quotation No.: **Date Received:** 01-Aug-2019


Order No.: **Date Instructed:** 01-Aug-2019

No. of Samples: 13

Turnaround (Wkdays): 5 **Results Due:** 07-Aug-2019

Date Approved: 08-Aug-2019

Approved By:



Details: Amy Parekh-Pross, Technical Projects
Manager

Results - Soil

Client: SEGI-AT	Chemtest Job No.: 19-25916													
Quotation No.:	Chemtest Sample ID.: 867330													
	Client Sample ID.:		1	2	3	4	5	6	7	8	9	10		
	Sample Location:		O-2/1	O-2/2	O-2/3	O-2/4	O-2/5	O-2/6	O-2/7	O-2/8	O-2/9	O-2/10		
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL		
	Top Depth (m):		0.25	1.00	3.00	5.00	7.00	9.00	11.00	13.00	15.00	17.00		
	Bottom Depth (m):		1.00	3.00	5.00	7.00	9.00	11.00	13.00	15.00	17.00	19.00		
	Date Sampled:		26-Jul-2019	26-Jul-2019	26-Jul-2019	26-Jul-2019	26-Jul-2019	26-Jul-2019	26-Jul-2019	26-Jul-2019	26-Jul-2019	26-Jul-2019		
Determinand	Accred.	SOP	Units	LOD										
Moisture	N	2030	%	0.020	5.3	2.6	2.6	2.1	1.9	7.0	15	17	16	18
Arsenic	U	2450	mg/kg	1.0	< 1.0	< 1.0	< 1.0	1.1	1.8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Barium	U	2450	mg/kg	10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	13	36
Cadmium	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cobalt	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chromium	U	2450	mg/kg	1.0	2.6	3.2	3.1	3.5	2.8	2.6	2.8	3.2	3.7	3.7
Molybdenum	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Tin	N	2450	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Copper	U	2450	mg/kg	0.50	4.9	0.90	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Mercury	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	U	2450	mg/kg	0.50	1.7	2.0	1.7	1.8	1.7	1.5	1.7	1.8	1.7	1.9
Lead	U	2450	mg/kg	0.50	5.6	3.2	1.4	1.3	1.2	1.2	1.1	0.99	1.1	0.78
Zinc	U	2450	mg/kg	0.50	7.9	6.4	3.1	3.4	3.6	2.9	4.8	6.5	2.9	2.8
Total Organic Carbon	U	2625	%	0.20	0.20	0.27	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Naphthalene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 9 PAH's	U	2700	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Of 16 PAH's	U	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Total BTEX	U	2760	mg/kg	0.010							< 0.010	< 0.010	< 0.010	< 0.010
Benzene	U	2760	mg/kg	0.0010							< 0.0010	< 0.0010	< 0.0010	< 0.0010
Trichloroethene	N	2760	mg/kg	0.0010							< 0.0010	< 0.0010	< 0.0010	< 0.0010
Toluene	U	2760	mg/kg	0.0010							< 0.0010	< 0.0010	< 0.0010	< 0.0010
Tetrachloroethene	U	2760	mg/kg	0.0010							< 0.0010	< 0.0010	< 0.0010	< 0.0010
Ethylbenzene	U	2760	mg/kg	0.0010							< 0.0010	< 0.0010	< 0.0010	< 0.0010

Results - Soil

Client: SEGI-AT	Chemtest Job No.:											
Quotation No.:	Chemtest Sample ID.:											
	Client Sample ID.:	1	2	3	4	5	6	7	8	9	10	
	Sample Location:	O-2/1	O-2/2	O-2/3	O-2/4	O-2/5	O-2/6	O-2/7	O-2/8	O-2/9	O-2/10	
	Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
	Top Depth (m):	0.25	1.00	3.00	5.00	7.00	9.00	11.00	13.00	15.00	17.00	
	Bottom Depth (m):	1.00	3.00	5.00	7.00	9.00	11.00	13.00	15.00	17.00	19.00	
	Date Sampled:	26-Jul-2019	26-Jul-2019	26-Jul-2019	26-Jul-2019	26-Jul-2019	26-Jul-2019	26-Jul-2019	26-Jul-2019	26-Jul-2019	26-Jul-2019	
Determinand	Accred.	SOP	Units	LOD								
m & p-Xylene	U	2760	mg/kg	0.0010						< 0.0010	< 0.0010	< 0.0010
o-Xylene	U	2760	mg/kg	0.0010						< 0.0010	< 0.0010	< 0.0010
Styrene	U	2760	mg/kg	0.0010						< 0.0010	< 0.0010	< 0.0010
Epichlorohydrin	N	2760	mg/kg	0.010						< 0.010	< 0.010	< 0.010
Nitrobenzene	U	2790	mg/kg	0.50						< 0.50	< 0.50	< 0.50
4-Chloroaniline	N	2790	mg/kg	0.050						< 0.050	< 0.050	< 0.050
2-Nitroaniline	N	2790	mg/kg	0.050						< 0.050	< 0.050	< 0.050
3-Nitroaniline	N	2790	mg/kg	0.050						< 0.050	< 0.050	< 0.050
4-Nitroaniline	N	2790	mg/kg	0.050						< 0.050	< 0.050	< 0.050
5-Nitro-o-toluidine	N	2790	mg/kg	0.25						< 0.25	< 0.25	< 0.25
4-tert-Octylphenol	N	2790	mg/kg	5.00						<5.0	<5.0	<5.0
o-Toluidine	N	2790	mg/kg	0.10						< 0.10	< 0.10	< 0.10
4-Aminobiphenyl	N	2790	mg/kg	0.10						< 0.10	< 0.10	< 0.10
Aniline	N	2790	mg/kg	0.50						< 0.50	< 0.50	< 0.50
Diphenylamine	N	2790	mg/kg	0.075						< 0.075	< 0.075	< 0.075
Resorcinol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Phenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Cresols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Xylenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1-Naphthol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trimethylphenols	U	2920	mg/kg	0.050	0.053	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Total Phenols	U	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
AOX in Soil	N	1265	mg/kg	0.10						28	24	18
4-Hydroxybiphenyl	N	1790	mg/kg	5.00						< 5.0	< 5.0	< 5.0
2-Hydroxybiphenyl	N	1790	mg/kg	5.00						< 5.0	< 5.0	< 5.0
Diphenyl Sulfone	N	1790	mg/kg	5.00						< 5.0	< 5.0	< 5.0

Client: SEGI-AT	Chemtest Job No.:				19-25916	19-25916	19-25916
Quotation No.:	Chemtest Sample ID.:				867340	867341	867342
	Client Sample ID.:				11	12	13
	Sample Location:				O-2/11	O-2/12	O-2/13
	Sample Type:				SOIL	SOIL	SOIL
	Top Depth (m):				19.00	21.00	23.00
	Bottom Depth (m):				21.00	23.00	25.00
	Date Sampled:				26-Jul-2019	26-Jul-2019	26-Jul-2019
Determinand	Accred.	SOP	Units	LOD			
Moisture	N	2030	%	0.020	15	14	11
Arsenic	U	2450	mg/kg	1.0	1.1	1.8	1.2
Barium	U	2450	mg/kg	10	53	11	< 10
Cadmium	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Cobalt	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0
Chromium	U	2450	mg/kg	1.0	2.7	4.1	3.5
Molybdenum	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0
Tin	N	2450	mg/kg	5.0	< 5.0	< 5.0	< 5.0
Copper	U	2450	mg/kg	0.50	0.93	0.74	< 0.50
Mercury	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Nickel	U	2450	mg/kg	0.50	2.3	2.5	2.1
Lead	U	2450	mg/kg	0.50	0.96	1.5	1.2
Zinc	U	2450	mg/kg	0.50	3.5	4.3	2.9
Total Organic Carbon	U	2625	%	0.20	< 0.20	< 0.20	0.30
Naphthalene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Fluorene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Chrysene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Total Of 9 PAH's	U	2700	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Total Of 16 PAH's	U	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0
Total BTEX	U	2760	mg/kg	0.010	< 0.010	< 0.010	< 0.010
Benzene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010
Trichloroethene	N	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010
Toluene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010
Tetrachloroethene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010
Ethylbenzene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010

Client: SEGI-AT	Chemtest Job No.:				19-25916	19-25916	19-25916
Quotation No.:	Chemtest Sample ID.:				867340	867341	867342
	Client Sample ID.:				11	12	13
	Sample Location:				O-2/11	O-2/12	O-2/13
	Sample Type:				SOIL	SOIL	SOIL
	Top Depth (m):				19.00	21.00	23.00
	Bottom Depth (m):				21.00	23.00	25.00
	Date Sampled:				26-Jul-2019	26-Jul-2019	26-Jul-2019
Determinand	Accred.	SOP	Units	LOD			
m & p-Xylene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010
o-Xylene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010
Styrene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010
Epichlorohydrin	N	2760	mg/kg	0.010	< 0.010	< 0.010	< 0.010
Nitrobenzene	U	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
4-Chloroaniline	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050
2-Nitroaniline	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050
3-Nitroaniline	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050
4-Nitroaniline	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050
5-Nitro-o-toluidine	N	2790	mg/kg	0.25	< 0.25	< 0.25	< 0.25
4-tert-Octylphenol	N	2790	mg/kg	5.00	<5.0	<5.0	<5.0
o-Toluidine	N	2790	mg/kg	0.10	< 0.10	< 0.10	< 0.10
4-Aminobiphenyl	N	2790	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Aniline	N	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Diphenylamine	N	2790	mg/kg	0.075	< 0.075	< 0.075	< 0.075
Resorcinol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Phenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Cresols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Xylenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
1-Naphthol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Trimethylphenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Total Phenols	U	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30
AOX in Soil	N	1265	mg/kg	0.10	2.6	2.6	2.2
4-Hydroxybiphenyl	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0
2-Hydroxybiphenyl	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0
Diphenyl Sulfone	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0

Report Information

Key

- U UKAS accredited
- M MCERTS and UKAS accredited
- N Unaccredited
- S This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
- SN This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
- T This analysis has been subcontracted to an unaccredited laboratory
- I/S Insufficient Sample
- U/S Unsuitable Sample
- N/E not evaluated
- < "less than"
- > "greater than"

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



SPRAWOZDANIE Z BADAŃ

Numer sprawozdania: 19-25916-1

Data wydania: 08-Aug-2019

Klient: SEGI-AT

Adres klienta: ul. Korkowa 24A
04-502
Warszawa
Poland

Kontakt/y: Aleksandra Urbaniak-Sloma
Michał Jarosz

Projekt: BYDGOSZCZ, PROJEKT RDOS
ZACHEM

Numer oferty:		Data przyjęcia próbek:	01-Aug-2019
Numer wyceny:		Data rejestracji próbek:	01-Aug-2019
Ilość próbek:	13	Termin docelowy:	07-Aug-2019
Czas realizacji zlecenia: (ilość dni roboczych)	5	Termin realizacji zlecenia:	07-Aug-2019
Data zatwierdzenia:	08-Aug-2019		

Zatwierdził:

Szczegóły: Amy Parekh-Pross, Technical Projects
Manager

Tłumaczenie:

mgr Michał Jarosz, Account Manager

Wyniki badań gleby/gruntu

Klient: SEGI-AT	Chemtest Job No.:				19-25916	19-25916	19-25916	19-25916	19-25916	19-25916	19-25916	19-25916
Numer oferty:	Chemtest Sample ID.:				867330	867331	867332	867333	867334	867335	867336	867337
	Nr identyfikacyjny próbki:				1	2	3	4	5	6	7	8
	Nr otworu/lokalizacja:				O-2/1	O-2/2	O-2/3	O-2/4	O-2/5	O-2/6	O-2/7	O-2/8
	Matryca:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Głębokość od (m):				0.25	1.00	3.00	5.00	7.00	9.00	11.00	13.00
	Głębokość do (m):				1.00	3.00	5.00	7.00	9.00	11.00	13.00	15.00
	Pobrano przez zleceniodawcę zgodnie z ISO 10381-5				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Data poboru próbek				26-Jul-2019	26-Jul-2019	26-Jul-2019	26-Jul-2019	26-Jul-2019	26-Jul-2019	26-Jul-2019	26-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji								
Wilgotnosc	N	2030	%	0.020	5.3	2.6	2.6	2.1	1.9	7.0	15	17
Arsen	U	2450	mg/kg	1.0	< 1.0	< 1.0	< 1.0	1.1	1.8	< 1.0	< 1.0	< 1.0
Bar	U	2450	mg/kg	10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Kadm	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Kobalt	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chrom	U	2450	mg/kg	1.0	2.6	3.2	3.1	3.5	2.8	2.6	2.8	3.2
Molibden	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Cyna	N	2450	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Miedź	U	2450	mg/kg	0.50	4.9	0.90	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Rtec	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nikiel	U	2450	mg/kg	0.50	1.7	2.0	1.7	1.8	1.7	1.5	1.7	1.8
Ółów	U	2450	mg/kg	0.50	5.6	3.2	1.4	1.3	1.2	1.2	1.1	0.99
Cynk	U	2450	mg/kg	0.50	7.9	6.4	3.1	3.4	3.6	2.9	4.8	6.5
Ogólny węgiel organiczny (TOC)	U	2625	%	0.20	0.20	0.27	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Naftalen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaftylen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaften	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fenantren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(a)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chryzen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(b)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(k)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(a)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-cd)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenzo(a,h)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(g,h,i)perylen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Suma WWA (9 związków)	U	2700	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Suma WWA (16 związków)	U	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Suma BTEX	U	2760	mg/kg	0.010							< 0.010	< 0.010
Benzen	U	2760	mg/kg	0.0010							< 0.0010	< 0.0010
Trichloroeten	N	2760	mg/kg	0.0010							< 0.0010	< 0.0010
Toluen	U	2760	mg/kg	0.0010							< 0.0010	< 0.0010
Tetrachloroeten	U	2760	mg/kg	0.0010							< 0.0010	< 0.0010

Wyniki badań gleby/gruntu

Klient: SEGI-AT	Chemtest Job No.:				19-25916	19-25916	19-25916	19-25916	19-25916	19-25916	19-25916	19-25916
Numer oferty:	Chemtest Sample ID.:				867330	867331	867332	867333	867334	867335	867336	867337
	Nr identyfikacyjny próbki:				1	2	3	4	5	6	7	8
	Nr otworu/lokalizacja:				O-2/1	O-2/2	O-2/3	O-2/4	O-2/5	O-2/6	O-2/7	O-2/8
	Matryca:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Głębokość od (m):				0.25	1.00	3.00	5.00	7.00	9.00	11.00	13.00
	Głębokość do (m):				1.00	3.00	5.00	7.00	9.00	11.00	13.00	15.00
	Pobrano przez zleceniodawcę zgodnie z ISO 10381-5				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Data poboru próbki				26-Jul-2019	26-Jul-2019	26-Jul-2019	26-Jul-2019	26-Jul-2019	26-Jul-2019	26-Jul-2019	26-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji								
Etylobenzen	U	2760	mg/kg	0.0010							< 0.0010	< 0.0010
m & p-Ksilen	U	2760	mg/kg	0.0010							< 0.0010	< 0.0010
o-Ksilen	U	2760	mg/kg	0.0010							< 0.0010	< 0.0010
Styren	U	2760	mg/kg	0.0010							< 0.0010	< 0.0010
Epichlorohydryna	N	2760	mg/kg	0.010							< 0.010	< 0.010
Nitrobenzen	U	2790	mg/kg	0.50							< 0.50	< 0.50
4-Chloroanilina	N	2790	mg/kg	0.050							< 0.050	< 0.050
2-Nitroanilina	N	2790	mg/kg	0.050							< 0.050	< 0.050
3-Nitroanilina	N	2790	mg/kg	0.050							< 0.050	< 0.050
4-Nitroanilina	N	2790	mg/kg	0.050							< 0.050	< 0.050
5-Nitro-o-toluidyna	N	2790	mg/kg	0.25							< 0.25	< 0.25
4-tert-Oktylofenol	N	2790	mg/kg	5.00							<5.0	<5.0
o-Toluidyna	N	2790	mg/kg	0.10							< 0.10	< 0.10
4-Aminobifenyl	N	2790	mg/kg	0.10							< 0.10	< 0.10
Anilina	N	2790	mg/kg	0.50							< 0.50	< 0.50
Difenyloamina	N	2790	mg/kg	0.075							< 0.075	< 0.075
Rezorcyne	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Fenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Krezole	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Ksylenele	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1-Naftol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trimetylofenol	U	2920	mg/kg	0.050	0.053	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Fenole suma	U	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
AOX	N	1265	mg/kg	0.10							28	24
4-Hydroksybifenyl	N	1790	mg/kg	5.00							< 5.0	< 5.0
2-Hydroksybifenyl	N	1790	mg/kg	5.00							< 5.0	< 5.0
Sulfon difenyłowy	N	1790	mg/kg	5.00							< 5.0	< 5.0

Wyniki badań gleby/gruntu

Klient: SEGI-AT	Chemtest Job No.:				19-25916	19-25916	19-25916	19-25916	19-25916
Numer oferty:	Chemtest Sample ID.:				867338	867339	867340	867341	867342
	Nr identyfikacyjny próbki:				9	10	11	12	13
	Nr otworu/lokalizacja:				O-2/9	O-2/10	O-2/11	O-2/12	O-2/13
	Matryca:				SOIL	SOIL	SOIL	SOIL	SOIL
	Głębokość od (m):				15.00	17.00	19.00	21.00	23.00
	Głębokość do (m):				17.00	19.00	21.00	23.00	25.00
	Pobrano przez zleceniodawcę zgodnie z ISO 10381-5				Yes	Yes	Yes	Yes	Yes
	Data poboru próbek				26-Jul-2019	26-Jul-2019	26-Jul-2019	26-Jul-2019	26-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji					
Wilgotnosc	N	2030	%	0.020	16	18	15	14	11
Arsen	U	2450	mg/kg	1.0	< 1.0	< 1.0	1.1	1.8	1.2
Bar	U	2450	mg/kg	10	13	36	53	11	< 10
Kadm	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Kobalt	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chrom	U	2450	mg/kg	1.0	3.7	3.7	2.7	4.1	3.5
Molibden	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Cyna	N	2450	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Miedź	U	2450	mg/kg	0.50	< 0.50	< 0.50	0.93	0.74	< 0.50
Rtec	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nikiel	U	2450	mg/kg	0.50	1.7	1.9	2.3	2.5	2.1
Olów	U	2450	mg/kg	0.50	1.1	0.78	0.96	1.5	1.2
Cynk	U	2450	mg/kg	0.50	2.9	2.8	3.5	4.3	2.9
Ogólny węgiel organiczny (TOC)	U	2625	%	0.20	< 0.20	< 0.20	< 0.20	< 0.20	0.30
Naftalen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaftylen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaften	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fenantren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(a)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chryzen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(b)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(k)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(a)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-cd)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenzo(a,h)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(g,h,i)perylen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Suma WWA (9 związków)	U	2700	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Suma WWA (16 związków)	U	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Suma BTEX	U	2760	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Trichloroeten	N	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Toluen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Tetrachloroeten	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Wyniki badań gleby/gruntu

Klient: SEGI-AT	Chemtest Job No.:				19-25916	19-25916	19-25916	19-25916	19-25916
Numer oferty:	Chemtest Sample ID.:				867338	867339	867340	867341	867342
	Nr identyfikacyjny próbki:				9	10	11	12	13
	Nr otworu/lokalizacja:				O-2/9	O-2/10	O-2/11	O-2/12	O-2/13
	Matryca:				SOIL	SOIL	SOIL	SOIL	SOIL
	Głębokość od (m):				15.00	17.00	19.00	21.00	23.00
	Głębokość do (m):				17.00	19.00	21.00	23.00	25.00
	Pobrano przez zleceniodawcę zgodnie z ISO 10381-5				Yes	Yes	Yes	Yes	Yes
	Data poboru próbki				26-Jul-2019	26-Jul-2019	26-Jul-2019	26-Jul-2019	26-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji					
Etylobenzen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
m & p-Ksilen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
o-Ksilen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Styren	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Epichlorohydryna	N	2760	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Nitrobenzen	U	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloroanilina	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
2-Nitroanilina	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
3-Nitroanilina	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
4-Nitroanilina	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
5-Nitro-o-toluidyna	N	2790	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
4-tert-Oktylofenol	N	2790	mg/kg	5.00	<5.0	<5.0	<5.0	<5.0	<5.0
o-Toluidyna	N	2790	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Aminobifenyl	N	2790	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anilina	N	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Difenyloamina	N	2790	mg/kg	0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075
Rezorcyne	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Fenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Krezole	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Ksylenele	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1-Naftol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trimetylofenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Fenole suma	U	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
AOX	N	1265	mg/kg	0.10	18	16	2.6	2.6	2.2
4-Hidroksybifenyl	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Hidroksybifenyl	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Sulfon difenyłowy	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Dodatkowe informacje/Słownik skrótów**Skróty**

U	Akredytacja UKAS
M	Akredytacja UKAS i MCERTS
N	Brak akredytacji
S	Analiza podzlecona, akredytowana
SN	Analiza podzlecona nieakredytowana, badana w akredytowanym laboratorium
T	Analiza podzlecona, badana w nieakredytowanym laboratorium
I/S	Niewystarczająca ilość materiału badawczego
U/S	Nieodpowiednia próbka
N/E	Nie oceniono
SOP	Standardowa procedura operacyjna
<	Znak < znaczy "mniejszy od"
>	Znak > znaczy "większy od"

Komentarze i interpretacje są poza zakresem akredytacji UKAS

Wyniki w sprawozdaniu dotyczą jedynie badanego obiektu, dostarczonego do laboratorium.

Prezentowanie wyników wraz z wartością niepewności jest możliwe na życzenie klienta

Wyniki badań w niniejszym sprawozdaniu nie zostały skorygowane z wartością niepewności

Wszystkie wyniki są wyrażone w przeliczeniu na suchą masę

Wyniki następujących testów zostały skorygowane do zawartości suchej masy: Węglowodory rop., BTEX, LZO, półlotne związki organiczne, PCB, fenole

Pozostałe badania próbek zostały wykonane na suchej zawartości próbki uprzednio wysuszonej w temperaturze <37°C

Badania azbestu są wykonywane w laboratorium w Coventry.

Numery wydania są ponumerowane kolejno zaczynając od 1.

Skróty przy wyniku dla próbek, które mogły utracić stabilność

- A - Nie podano daty poboru próbki
- B - Próbka, która mogła utracić stabilność w wyniku zbyt długiego przechowywania
- C - Próbka dostarczona w nieodpowiednim pojemniku.
- D - Uszkodzone opakowanie
- E - Niewystarczająca ilość próbki

Przechowywanie oraz utylizacja

Wszystkie próbki gleby/gruntu otrzymane przez nasze laboratorium będą magazynowane przez okres 45 dni

Wszystkie próbki wody otrzymane przez nasze laboratorium będą magazynowane przez okres 14 dni

W przypadku wydłużenia czasu magazynowania próbek na prośbę klienta, może zostać naliczona dodatkowa opłata

Jeżeli mają Państwo jakiegokolwiek pytania prosimy o kontakt z obsługą klienta

customerservices@chemtest.com



Final Report

Report No.: 19-25918-1

Initial Date of Issue: 08-Aug-2019

Client SEGI-AT

Client Address: ul. Korkowa 24A
04-502
Warszawa
Poland

Contact(s): Aleksandra Urbaniak-Sloma
Michal Jarosz

Project BYDOSZCZ, PROJEKT RDOS

Quotation No.: **Date Received:** 01-Aug-2019

Order No.: **Date Instructed:** 01-Aug-2019

No. of Samples: 13

Turnaround (Wkdays): 5 **Results Due:** 07-Aug-2019

Date Approved: 08-Aug-2019

Approved By:



Details: Martin Dyer, Laboratory Manager

Project: BYDOSZCZ, PROJEKT RDOS

Client: SEGI-AT	Chemtest Job No.: 19-25918 19-25918 19-25918 19-25918 19-25918 19-25918 19-25918 19-25918 19-25918 19-25918 19-25918													
Quotation No.:	Chemtest Sample ID.: 867345 867346 867347 867348 867349 867350 867351 867352 867353 867354													
	Client Sample ID.: 1 2 3 4 5 6 7 8 9 10													
	Sample Location: O-3/1 O-3/2 O-3/3 O-3/4 O-3/5 O-3/6 O-3/7 O-3/8 O-3/9 O-3/10													
	Sample Type: SOIL SOIL SOIL SOIL SOIL SOIL SOIL SOIL SOIL SOIL SOIL													
	Top Depth (m): 0.25 1.00 3.00 5.00 7.00 9.00 11.00 13.00 15.00 17.00													
	Bottom Depth (m): 1.00 3.00 5.00 7.00 9.00 11.00 13.00 15.00 17.00 19.00													
	Date Sampled: 29-Jul-2019 29-Jul-2019 29-Jul-2019 29-Jul-2019 29-Jul-2019 29-Jul-2019 29-Jul-2019 29-Jul-2019 29-Jul-2019 29-Jul-2019 29-Jul-2019 29-Jul-2019													
Determinand	Accred.	SOP	Units	LOD										
Moisture	N	2030	%	0.020	2.1	2.4	2.6	2.8	2.7	2.7	7.5	16	14	16
Arsenic	U	2450	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.4	< 1.0	< 1.0
Barium	U	2450	mg/kg	10	11	< 10	< 10	< 10	< 10	< 10	< 10	10	20	54
Cadmium	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cobalt	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chromium	U	2450	mg/kg	1.0	1.4	3.1	1.7	3.5	3.2	3.4	2.8	3.2	2.6	3.3
Molybdenum	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Tin	N	2450	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Copper	U	2450	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Mercury	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	U	2450	mg/kg	0.50	1.7	1.9	0.88	1.7	1.7	1.6	1.5	1.8	1.9	2.5
Lead	U	2450	mg/kg	0.50	0.65	2.0	0.58	1.0	1.8	0.90	0.86	1.0	1.1	1.2
Zinc	U	2450	mg/kg	0.50	1.7	4.3	2.1	3.0	7.1	2.5	2.7	3.1	3.5	3.4
Total Organic Carbon	U	2625	%	0.20	0.26	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	0.23	< 0.20
Naphthalene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 9 PAH's	U	2700	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Of 16 PAH's	U	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Total BTEX	U	2760	mg/kg	0.010								< 0.010	< 0.010	< 0.010
Benzene	U	2760	mg/kg	0.0010								< 0.0010	< 0.0010	< 0.0010
Trichloroethene	N	2760	mg/kg	0.0010								< 0.0010	< 0.0010	< 0.0010
Toluene	U	2760	mg/kg	0.0010								< 0.0010	< 0.0010	< 0.0010
Tetrachloroethene	U	2760	mg/kg	0.0010								< 0.0010	< 0.0010	< 0.0010
Ethylbenzene	U	2760	mg/kg	0.0010								< 0.0010	< 0.0010	< 0.0010

Project: BYDOSZCZ, PROJEKT RDOS

Client: SEGI-AT	Chemtest Job No.:				19-25918	19-25918	19-25918	19-25918	19-25918	19-25918	19-25918	19-25918	19-25918	
Quotation No.:	Chemtest Sample ID.:				867345	867346	867347	867348	867349	867350	867351	867352	867353	867354
	Client Sample ID.:				1	2	3	4	5	6	7	8	9	10
	Sample Location:				O-3/1	O-3/2	O-3/3	O-3/4	O-3/5	O-3/6	O-3/7	O-3/8	O-3/9	O-3/10
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.25	1.00	3.00	5.00	7.00	9.00	11.00	13.00	15.00	17.00
	Bottom Depth (m):				1.00	3.00	5.00	7.00	9.00	11.00	13.00	15.00	17.00	19.00
	Date Sampled:				29-Jul-2019	29-Jul-2019	29-Jul-2019	29-Jul-2019	29-Jul-2019	29-Jul-2019	29-Jul-2019	29-Jul-2019	29-Jul-2019	29-Jul-2019
Determinand	Accred.	SOP	Units	LOD										
m & p-Xylene	U	2760	mg/kg	0.0010								< 0.0010	< 0.0010	< 0.0010
o-Xylene	U	2760	mg/kg	0.0010								< 0.0010	< 0.0010	< 0.0010
Styrene	U	2760	mg/kg	0.0010								< 0.0010	< 0.0010	< 0.0010
Epichlorohydrin	N	2760	mg/kg	0.010								< 0.010	< 0.010	< 0.010
Nitrobenzene	U	2790	mg/kg	0.50								< 0.50	< 0.50	< 0.50
4-Chloroaniline	N	2790	mg/kg	0.050								< 0.050	< 0.050	< 0.050
2-Nitroaniline	N	2790	mg/kg	0.050								< 0.050	< 0.050	< 0.050
3-Nitroaniline	N	2790	mg/kg	0.050								< 0.050	< 0.050	< 0.050
4-Nitroaniline	N	2790	mg/kg	0.050								< 0.050	< 0.050	< 0.050
5-Nitro-o-toluidine	N	2790	mg/kg	0.25								< 0.25	< 0.25	< 0.25
4-tert-Octylphenol	N	2790	mg/kg	5.00								<5.0	<5.0	<5.0
o-Toluidine	N	2790	mg/kg	0.10								< 0.10	< 0.10	< 0.10
4-Aminobiphenyl	N	2790	mg/kg	0.10								< 0.10	< 0.10	< 0.10
Aniline	N	2790	mg/kg	0.50								< 0.50	< 0.50	< 0.50
Diphenylamine	N	2790	mg/kg	0.075								< 0.075	< 0.075	< 0.075
Resorcinol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Phenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Cresols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Xylenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1-Naphthol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trimethylphenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Total Phenols	U	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
AOX in Soil	N	1265	mg/kg	0.10								0.80	0.58	0.70
4-Hydroxybiphenyl	N	1790	mg/kg	5.00								< 5.0	< 5.0	< 5.0
2-Hydroxybiphenyl	N	1790	mg/kg	5.00								< 5.0	< 5.0	< 5.0
Diphenyl Sulfone	N	1790	mg/kg	5.00								< 5.0	< 5.0	< 5.0

Project: BYDOSZCZ, PROJEKT RDOS

Client: SEGI-AT	Chemtest Job No.:				19-25918	19-25918	19-25918
Quotation No.:	Chemtest Sample ID.:				867355	867356	867357
	Client Sample ID.:				11	12	13
	Sample Location:				O-3/11	O-3/12	O-3/13
	Sample Type:				SOIL	SOIL	SOIL
	Top Depth (m):				19.00	21.00	23.00
	Bottom Depth (m):				21.00	23.00	25.00
	Date Sampled:				29-Jul-2019	29-Jul-2019	29-Jul-2019
Determinand	Accred.	SOP	Units	LOD			
Moisture	N	2030	%	0.020	16	16	15
Arsenic	U	2450	mg/kg	1.0	1.2	< 1.0	< 1.0
Barium	U	2450	mg/kg	10	39	19	17
Cadmium	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Cobalt	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0
Chromium	U	2450	mg/kg	1.0	3.7	4.0	4.1
Molybdenum	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0
Tin	N	2450	mg/kg	5.0	< 5.0	< 5.0	< 5.0
Copper	U	2450	mg/kg	0.50	< 0.50	< 0.50	0.50
Mercury	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Nickel	U	2450	mg/kg	0.50	2.3	2.0	2.3
Lead	U	2450	mg/kg	0.50	1.1	0.95	0.88
Zinc	U	2450	mg/kg	0.50	3.8	3.5	2.9
Total Organic Carbon	U	2625	%	0.20	< 0.20	< 0.20	< 0.20
Naphthalene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Fluorene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Chrysene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Total Of 9 PAH's	U	2700	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Total Of 16 PAH's	U	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0
Total BTEX	U	2760	mg/kg	0.010	< 0.010	< 0.010	< 0.010
Benzene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010
Trichloroethene	N	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010
Toluene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010
Tetrachloroethene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010
Ethylbenzene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010

Project: BYDOSZCZ, PROJEKT RDOS

Client: SEGI-AT	Chemtest Job No.:				19-25918	19-25918	19-25918
Quotation No.:	Chemtest Sample ID.:				867355	867356	867357
	Client Sample ID.:				11	12	13
	Sample Location:				O-3/11	O-3/12	O-3/13
	Sample Type:				SOIL	SOIL	SOIL
	Top Depth (m):				19.00	21.00	23.00
	Bottom Depth (m):				21.00	23.00	25.00
	Date Sampled:				29-Jul-2019	29-Jul-2019	29-Jul-2019
Determinand	Accred.	SOP	Units	LOD			
m & p-Xylene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010
o-Xylene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010
Styrene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010
Epichlorohydrin	N	2760	mg/kg	0.010	< 0.010	< 0.010	< 0.010
Nitrobenzene	U	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
4-Chloroaniline	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050
2-Nitroaniline	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050
3-Nitroaniline	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050
4-Nitroaniline	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050
5-Nitro-o-toluidine	N	2790	mg/kg	0.25	< 0.25	< 0.25	< 0.25
4-tert-Octylphenol	N	2790	mg/kg	5.00	< 5.0	< 5.0	< 5.0
o-Toluidine	N	2790	mg/kg	0.10	< 0.10	< 0.10	< 0.10
4-Aminobiphenyl	N	2790	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Aniline	N	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Diphenylamine	N	2790	mg/kg	0.075	< 0.075	< 0.075	< 0.075
Resorcinol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Phenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Cresols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Xylenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
1-Naphthol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Trimethylphenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Total Phenols	U	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30
AOX in Soil	N	1265	mg/kg	0.10	0.64	0.54	1.0
4-Hydroxybiphenyl	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0
2-Hydroxybiphenyl	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0
Diphenyl Sulfone	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0

Report Information

Key

- U UKAS accredited
- M MCERTS and UKAS accredited
- N Unaccredited
- S This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
- SN This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
- T This analysis has been subcontracted to an unaccredited laboratory
- I/S Insufficient Sample
- U/S Unsuitable Sample
- N/E not evaluated
- < "less than"
- > "greater than"

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt



Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



SPRAWOZDANIE Z BADAŃ

Numer sprawozdania:	19-25918-1		
Data wydania:	08-Aug-2019		
Klient:	SEGI-AT		
Adres klienta:	ul. Korkowa 24A 04-502 Warszawa Poland		
Kontakt/y:	Aleksandra Urbaniak-Sloma Michał Jarosz		
Projekt:	BYDOSZCZ, PROJEKT RDOS		
Numer oferty:		Data przyjęcia próbek:	01-Aug-2019
Numer wyceny:		Data rejestracji próbek:	01-Aug-2019
Ilość próbek:	13	Termin docelowy:	07-Aug-2019
Czas realizacji zlecenia: (ilość dni roboczych)	5	Termin realizacji zlecenia:	07-Aug-2019
Data zatwierdzenia:	08-Aug-2019		
Zatwierdził:		Tłumaczenie:	
Szczegóły:	Martin Dyer, Laboratory Manager		mgr Michał Jarosz, Account Manager

Projekt: BYDOSZCZ, PROJEKT RDOS

Klient: SEGI-AT	Chemtest Job No.:				19-25918	19-25918	19-25918	19-25918	19-25918	19-25918	19-25918	19-25918
Numer oferty:	Chemtest Sample ID.:				867345	867346	867347	867348	867349	867350	867351	867352
	Nr identyfikacyjny próbki:				1	2	3	4	5	6	7	8
	Nr otworu/lokalizacja:				O-3/1	O-3/2	O-3/3	O-3/4	O-3/5	O-3/6	O-3/7	O-3/8
	Matryca:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Głębokość od (m):				0.25	1.00	3.00	5.00	7.00	9.00	11.00	13.00
	Głębokość do (m):				1.00	3.00	5.00	7.00	9.00	11.00	13.00	15.00
	Pobrano przez zleceniodawcę zgodnie z ISO 10381-5				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Data poboru próbek				29-Jul-2019	29-Jul-2019	29-Jul-2019	29-Jul-2019	29-Jul-2019	29-Jul-2019	29-Jul-2019	29-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji								
Wilgotnosc	N	2030	%	0.020	2.1	2.4	2.6	2.8	2.7	2.7	7.5	16
Arsen	U	2450	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.4
Bar	U	2450	mg/kg	10	11	< 10	< 10	< 10	< 10	< 10	< 10	10
Kadm	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Kobalt	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chrom	U	2450	mg/kg	1.0	1.4	3.1	1.7	3.5	3.2	3.4	2.8	3.2
Molibden	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Cyna	N	2450	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Miedź	U	2450	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Rtec	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nikiel	U	2450	mg/kg	0.50	1.7	1.9	0.88	1.7	1.7	1.6	1.5	1.8
Ółów	U	2450	mg/kg	0.50	0.65	2.0	0.58	1.0	1.8	0.90	0.86	1.0
Cynk	U	2450	mg/kg	0.50	1.7	4.3	2.1	3.0	7.1	2.5	2.7	3.1
Ogólny węgiel organiczny (TOC)	U	2625	%	0.20	0.26	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Naftalen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaftylen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaften	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fenantren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(a)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chryzen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(b)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(k)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(a)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-cd)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenzo(a,h)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(g,h,i)perylen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Suma WWA (9 związków)	U	2700	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Suma WWA (16 związków)	U	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Suma BTEX	U	2760	mg/kg	0.010								< 0.010
Benzen	U	2760	mg/kg	0.0010								< 0.0010
Trichloroeten	N	2760	mg/kg	0.0010								< 0.0010
Toluen	U	2760	mg/kg	0.0010								< 0.0010
Tetrachloroeten	U	2760	mg/kg	0.0010								< 0.0010

Wyniki badań gleby/gruntu

Projekt: BYDOSZCZ, PROJEKT RDOS

Klient: SEGI-AT	Chemtest Job No.:				19-25918	19-25918	19-25918	19-25918	19-25918	19-25918	19-25918	19-25918
Numer oferty:	Chemtest Sample ID.:				867345	867346	867347	867348	867349	867350	867351	867352
	Nr identyfikacyjny próbki:				1	2	3	4	5	6	7	8
	Nr otworu/lokalizacja:				O-3/1	O-3/2	O-3/3	O-3/4	O-3/5	O-3/6	O-3/7	O-3/8
	Matryca:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Głębokość od (m):				0.25	1.00	3.00	5.00	7.00	9.00	11.00	13.00
	Głębokość do (m):				1.00	3.00	5.00	7.00	9.00	11.00	13.00	15.00
	Pobrano przez zleceniodawcę zgodnie z ISO 10381-5				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Data poboru próbki				29-Jul-2019	29-Jul-2019	29-Jul-2019	29-Jul-2019	29-Jul-2019	29-Jul-2019	29-Jul-2019	29-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji								
Etylobenzen	U	2760	mg/kg	0.0010								< 0.0010
m & p-Ksylen	U	2760	mg/kg	0.0010								< 0.0010
o-Ksylen	U	2760	mg/kg	0.0010								< 0.0010
Styren	U	2760	mg/kg	0.0010								< 0.0010
Epichlorohydryna	N	2760	mg/kg	0.010								< 0.010
Nitrobenzen	U	2790	mg/kg	0.50								< 0.50
4-Chloroanilina	N	2790	mg/kg	0.050								< 0.050
2-Nitroanilina	N	2790	mg/kg	0.050								< 0.050
3-Nitroanilina	N	2790	mg/kg	0.050								< 0.050
4-Nitroanilina	N	2790	mg/kg	0.050								< 0.050
5-Nitro-o-toluidyna	N	2790	mg/kg	0.25								< 0.25
4-tert-Oktylofenol	N	2790	mg/kg	5.00								< 5.0
o-Toluidyna	N	2790	mg/kg	0.10								< 0.10
4-Aminobifenyl	N	2790	mg/kg	0.10								< 0.10
Anilina	N	2790	mg/kg	0.50								< 0.50
Difenyloamina	N	2790	mg/kg	0.075								< 0.075
Rezorcyna	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Fenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Krezole	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Ksylenole	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1-Naftol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trimetylofenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Fenole suma	U	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
AOX	N	1265	mg/kg	0.10								0.80
4-Hidroksybifenyl	N	1790	mg/kg	5.00								< 5.0
2-Hidroksybifenyl	N	1790	mg/kg	5.00								< 5.0
Sulfon difenyłowy	N	1790	mg/kg	5.00								< 5.0

Projekt: BYDOSZCZ, PROJEKT RDOS

Klient: SEGI-AT	Chemtest Job No.:				19-25918	19-25918	19-25918	19-25918	19-25918
Numer oferty:	Chemtest Sample ID.:				867353	867354	867355	867356	867357
	Nr identyfikacyjny próbki:				9	10	11	12	13
	Nr otworu/lokalizacja:				O-3/9	O-3/10	O-3/11	O-3/12	O-3/13
	Matryca:				SOIL	SOIL	SOIL	SOIL	SOIL
	Głębokość od (m):				15.00	17.00	19.00	21.00	23.00
	Głębokość do (m):				17.00	19.00	21.00	23.00	25.00
	Pobrano przez zleceniodawcę zgodnie z ISO 10381-5				Yes	Yes	Yes	Yes	Yes
	Data poboru próbek				29-Jul-2019	29-Jul-2019	29-Jul-2019	29-Jul-2019	29-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji					
Wilgotnosc	N	2030	%	0.020	14	16	16	16	15
Arsen	U	2450	mg/kg	1.0	< 1.0	< 1.0	1.2	< 1.0	< 1.0
Bar	U	2450	mg/kg	10	20	54	39	19	17
Kadm	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Kobalt	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chrom	U	2450	mg/kg	1.0	2.6	3.3	3.7	4.0	4.1
Molibden	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Cyna	N	2450	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Miedź	U	2450	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.50
Rtec	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nikiel	U	2450	mg/kg	0.50	1.9	2.5	2.3	2.0	2.3
Ółów	U	2450	mg/kg	0.50	1.1	1.2	1.1	0.95	0.88
Cynk	U	2450	mg/kg	0.50	3.5	3.4	3.8	3.5	2.9
Ogólny węgiel organiczny (TOC)	U	2625	%	0.20	0.23	< 0.20	< 0.20	< 0.20	< 0.20
Naftalen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaftylen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaften	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fenantren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(a)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chryzen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(b)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(k)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(a)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-cd)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenzo(a,h)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(g,h,i)perylen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Suma WWA (9 związków)	U	2700	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Suma WWA (16 związków)	U	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Suma BTEX	U	2760	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Trichloroeten	N	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Toluen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Tetrachloroeten	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Projekt: BYDOSZCZ, PROJEKT RDOS

Klient: SEGI-AT	Chemtest Job No.:				19-25918	19-25918	19-25918	19-25918	19-25918
Numer oferty:	Chemtest Sample ID.:				867353	867354	867355	867356	867357
	Nr identyfikacyjny próbki:				9	10	11	12	13
	Nr otworu/lokalizacja:				O-3/9	O-3/10	O-3/11	O-3/12	O-3/13
	Matryca:				SOIL	SOIL	SOIL	SOIL	SOIL
	Głębokość od (m):				15.00	17.00	19.00	21.00	23.00
	Głębokość do (m):				17.00	19.00	21.00	23.00	25.00
	Pobrano przez zleceniodawcę zgodnie z ISO 10381-5				Yes	Yes	Yes	Yes	Yes
	Data poboru próbki				29-Jul-2019	29-Jul-2019	29-Jul-2019	29-Jul-2019	29-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji					
Etylobenzen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
m & p-Ksilen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
o-Ksilen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Styren	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Epichlorohydryna	N	2760	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Nitrobenzen	U	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloroanilina	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
2-Nitroanilina	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
3-Nitroanilina	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
4-Nitroanilina	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
5-Nitro-o-toluidyna	N	2790	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
4-tert-Oktylofenol	N	2790	mg/kg	5.00	<5.0	<5.0	<5.0	<5.0	<5.0
o-Toluidyna	N	2790	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Aminobifenyl	N	2790	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anilina	N	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Difenyloamina	N	2790	mg/kg	0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075
Rezorcyne	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Fenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Krezole	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Ksylenele	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1-Naftol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trimetylofenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Fenole suma	U	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
AOX	N	1265	mg/kg	0.10	0.58	0.70	0.64	0.54	1.0
4-Hydroksybifenyl	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Hydroksybifenyl	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Sulfon difenyłowy	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Dodatkowe informacje/Słownik skrótów**Skróty**

U	Akredytacja UKAS
M	Akredytacja UKAS i MCERTS
N	Brak akredytacji
S	Analiza podzlecona, akredytowana
SN	Analiza podzlecona nieakredytowana, badana w akredytowanym laboratorium
T	Analiza podzlecona, badana w nieakredytowanym laboratorium
I/S	Niewystarczająca ilość materiału badawczego
U/S	Nieodpowiednia próbka
N/E	Nie oceniono
SOP	Standardowa procedura operacyjna
<	Znak < znaczy "mniejszy od"
>	Znak > znaczy "większy od"

Komentarze i interpretacje są poza zakresem akredytacji UKAS

Wyniki w sprawozdaniu dotyczą jedynie badanego obiektu, dostarczonego do laboratorium.

Prezentowanie wyników wraz z wartością niepewności jest możliwe na życzenie klienta

Wyniki badań w niniejszym sprawozdaniu nie zostały skorygowane z wartością niepewności

Wszystkie wyniki są wyrażone w przeliczeniu na suchą masę

Wyniki następujących testów zostały skorygowane do zawartości suchej masy: Węglowodory rop., BTEX, LZO, półlotne związki organiczne, PCB, fenole

Pozostałe badania próbek zostały wykonane na suchej zawartości próbki uprzednio wysuszonej w temperaturze <37°C

Badania azbestu są wykonywane w laboratorium w Coventry.

Numery wydania są ponumerowane kolejno zaczynając od 1.

Skróty przy wyniku dla próbek, które mogły utracić stabilność

- A - Nie podano daty poboru próbki
- B - Próbka, która mogła utracić stabilność w wyniku zbyt długiego przechowywania
- C - Próbka dostarczona w nieodpowiednim pojemniku.
- D - Uszkodzone opakowanie
- E - Niewystarczająca ilość próbki

Przechowywanie oraz utylizacja

Wszystkie próbki gleby/gruntu otrzymane przez nasze laboratorium będą magazynowane przez okres 45 dni

Wszystkie próbki wody otrzymane przez nasze laboratorium będą magazynowane przez okres 14 dni

W przypadku wydłużenia czasu magazynowania próbek na prośbę klienta, może zostać naliczona dodatkowa opłata

Jeżeli mają Państwo jakiegokolwiek pytania prosimy o kontakt z obsługą klienta

customerservices@chemtest.com



Final Report

Report No.: 19-25920-1

Initial Date of Issue: 09-Aug-2019

Client SEGI-AT

Client Address: ul. Korkowa 24A
04-502
Warszawa
Poland

Contact(s): Aleksandra Urbaniak-Sloma
Michal Jarosz

Project BYDGOSZCZ, PROJEKT RDOS
ZACHEM

Quotation No.: **Date Received:** 01-Aug-2019

Order No.: **Date Instructed:** 01-Aug-2019

No. of Samples: 13

Turnaround (Wkdays): 5 **Results Due:** 07-Aug-2019

Date Approved: 09-Aug-2019

Approved By:



Details: Martin Dyer, Laboratory Manager

Results - Soil

Client: SEGI-AT	Chemtest Job No.: 19-25920 19-25920 19-25920 19-25920 19-25920 19-25920 19-25920 19-25920 19-25920 19-25920 19-25920 19-25920													
Quotation No.:	Chemtest Sample ID.: 867361 867362 867363 867364 867365 867366 867367 867368 867369 867370													
	Client Sample ID.: 1 2 3 4 5 6 7 8 9 10													
	Sample Location: O-4/1 O-4/2 O-4/3 O-4/4 O-4/5 O-4/6 O-4/7 O-4/8 O-4/9 O-4/10													
	Sample Type: SOIL SOIL SOIL SOIL SOIL SOIL SOIL SOIL SOIL SOIL SOIL SOIL													
	Top Depth (m): 0.25 1.00 3.00 5.00 7.00 9.00 11.00 13.00 15.00 17.00													
	Bottom Depth (m): 1.00 3.00 5.00 7.00 9.00 11.00 13.00 15.00 17.00 19.00													
	Date Sampled: 25-Jul-2019 25-Jul-2019 25-Jul-2019 25-Jul-2019 25-Jul-2019 25-Jul-2019 25-Jul-2019 25-Jul-2019 25-Jul-2019 25-Jul-2019 25-Jul-2019 25-Jul-2019													
Determinand	Accred.	SOP	Units	LOD										
Moisture	N	2030	%	0.020	1.4	2.3	3.3	9.6	14	15	15	15	12	8.8
Arsenic	U	2450	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.9	< 1.0	< 1.0	1.4	3.0
Barium	U	2450	mg/kg	10	19	14	< 10	< 10	< 10	< 10	< 10	< 10	< 10	19
Cadmium	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cobalt	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	2.7
Chromium	U	2450	mg/kg	1.0	3.8	3.2	3.0	3.4	2.7	2.7	1.9	1.5	1.4	10
Molybdenum	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Tin	N	2450	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Copper	U	2450	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.54	2.5
Mercury	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	U	2450	mg/kg	0.50	2.2	1.7	1.6	1.5	1.7	1.7	1.3	1.3	1.7	6.8
Lead	U	2450	mg/kg	0.50	1.9	1.6	1.6	0.92	0.98	0.94	0.71	0.58	0.76	1.8
Zinc	U	2450	mg/kg	0.50	8.0	4.6	5.4	2.8	3.8	2.8	6.0	2.1	2.2	8.8
Total Organic Carbon	U	2625	%	0.20	0.25	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Naphthalene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 9 PAH's	U	2700	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Of 16 PAH's	U	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Total BTEX	U	2760	mg/kg	0.010				< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Trichloroethene	N	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Toluene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Tetrachloroethene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Ethylbenzene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Results - Soil

Client: SEGI-AT	Chemtest Job No.:										
Quotation No.:	Chemtest Sample ID.:										
	Client Sample ID.:	1	2	3	4	5	6	7	8	9	10
	Sample Location:	O-4/1	O-4/2	O-4/3	O-4/4	O-4/5	O-4/6	O-4/7	O-4/8	O-4/9	O-4/10
	Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):	0.25	1.00	3.00	5.00	7.00	9.00	11.00	13.00	15.00	17.00
	Bottom Depth (m):	1.00	3.00	5.00	7.00	9.00	11.00	13.00	15.00	17.00	19.00
	Date Sampled:	25-Jul-2019	25-Jul-2019	25-Jul-2019	25-Jul-2019	25-Jul-2019	25-Jul-2019	25-Jul-2019	25-Jul-2019	25-Jul-2019	25-Jul-2019
Determinand	Accred.	SOP	Units	LOD							
m & p-Xylene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010
o-Xylene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010
Styrene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010
Epichlorohydrin	N	2760	mg/kg	0.010				< 0.010	< 0.010	< 0.010	< 0.010
Nitrobenzene	U	2790	mg/kg	0.50				< 0.50	< 0.50	< 0.50	< 0.50
4-Chloroaniline	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050
2-Nitroaniline	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050
3-Nitroaniline	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050
4-Nitroaniline	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050
5-Nitro-o-toluidine	N	2790	mg/kg	0.25				< 0.25	< 0.25	< 0.25	< 0.25
4-tert-Octylphenol	N	2790	mg/kg	5.00				<5.0	<5.0	<5.0	<5.0
o-Toluidine	N	2790	mg/kg	0.10				< 0.10	< 0.10	< 0.10	< 0.10
4-Aminobiphenyl	N	2790	mg/kg	0.10				< 0.10	< 0.10	< 0.10	< 0.10
Aniline	N	2790	mg/kg	0.50				< 0.50	< 0.50	< 0.50	< 0.50
Diphenylamine	N	2790	mg/kg	0.075				< 0.075	< 0.075	< 0.075	< 0.075
Resorcinol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Phenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Cresols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Xylenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1-Naphthol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trimethylphenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Total Phenols	U	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
AOX in Soil	N	1265	mg/kg	0.10				1.3	1.1	1.2	0.83
4-Hydroxybiphenyl	N	1790	mg/kg	5.00				< 5.0	< 5.0	< 5.0	< 5.0
2-Hydroxybiphenyl	N	1790	mg/kg	5.00				< 5.0	< 5.0	< 5.0	< 5.0
Diphenyl Sulfone	N	1790	mg/kg	5.00				< 5.0	< 5.0	< 5.0	< 5.0

Client: SEGI-AT	Chemtest Job No.:				19-25920	19-25920	19-25920
Quotation No.:	Chemtest Sample ID.:				867371	867372	867373
	Client Sample ID.:				11	12	13
	Sample Location:				O-4/11	O-4/12	O-4/13
	Sample Type:				SOIL	SOIL	SOIL
	Top Depth (m):				19.00	21.00	23.00
	Bottom Depth (m):				21.00	23.00	25.00
	Date Sampled:				25-Jul-2019	25-Jul-2019	25-Jul-2019
Determinand	Accred.	SOP	Units	LOD			
Moisture	N	2030	%	0.020	12	12	10
Arsenic	U	2450	mg/kg	1.0	3.9	1.8	1.7
Barium	U	2450	mg/kg	10	17	< 10	< 10
Cadmium	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Cobalt	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0
Chromium	U	2450	mg/kg	1.0	5.2	2.1	2.2
Molybdenum	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0
Tin	N	2450	mg/kg	5.0	< 5.0	< 5.0	< 5.0
Copper	U	2450	mg/kg	0.50	0.74	< 0.50	1.3
Mercury	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Nickel	U	2450	mg/kg	0.50	3.7	2.8	2.9
Lead	U	2450	mg/kg	0.50	2.1	1.4	1.8
Zinc	U	2450	mg/kg	0.50	6.2	7.0	5.3
Total Organic Carbon	U	2625	%	0.20	0.21	< 0.20	< 0.20
Naphthalene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Fluorene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Chrysene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Total Of 9 PAH's	U	2700	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Total Of 16 PAH's	U	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0
Total BTEX	U	2760	mg/kg	0.010	< 0.010	< 0.010	< 0.010
Benzene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010
Trichloroethene	N	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010
Toluene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010
Tetrachloroethene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010
Ethylbenzene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010

Client: SEGI-AT	Chemtest Job No.:				19-25920	19-25920	19-25920
Quotation No.:	Chemtest Sample ID.:				867371	867372	867373
	Client Sample ID.:				11	12	13
	Sample Location:				O-4/11	O-4/12	O-4/13
	Sample Type:				SOIL	SOIL	SOIL
	Top Depth (m):				19.00	21.00	23.00
	Bottom Depth (m):				21.00	23.00	25.00
	Date Sampled:				25-Jul-2019	25-Jul-2019	25-Jul-2019
Determinand	Accred.	SOP	Units	LOD			
m & p-Xylene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010
o-Xylene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010
Styrene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010
Epichlorohydrin	N	2760	mg/kg	0.010	< 0.010	< 0.010	< 0.010
Nitrobenzene	U	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
4-Chloroaniline	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050
2-Nitroaniline	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050
3-Nitroaniline	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050
4-Nitroaniline	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050
5-Nitro-o-toluidine	N	2790	mg/kg	0.25	< 0.25	< 0.25	< 0.25
4-tert-Octylphenol	N	2790	mg/kg	5.00	<5.0	<5.0	<5.0
o-Toluidine	N	2790	mg/kg	0.10	< 0.10	< 0.10	< 0.10
4-Aminobiphenyl	N	2790	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Aniline	N	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Diphenylamine	N	2790	mg/kg	0.075	< 0.075	< 0.075	< 0.075
Resorcinol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Phenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Cresols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Xylenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
1-Naphthol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Trimethylphenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Total Phenols	U	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30
AOX in Soil	N	1265	mg/kg	0.10	0.87	0.72	1.7
4-Hydroxybiphenyl	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0
2-Hydroxybiphenyl	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0
Diphenyl Sulfone	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0

Report Information

Key

- U UKAS accredited
- M MCERTS and UKAS accredited
- N Unaccredited
- S This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
- SN This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
- T This analysis has been subcontracted to an unaccredited laboratory
- I/S Insufficient Sample
- U/S Unsuitable Sample
- N/E not evaluated
- < "less than"
- > "greater than"

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



SPRAWOZDANIE Z BADAŃ

Numer sprawozdania: 19-25920-1

Data wydania: 09-Aug-2019

Klient: SEGI-AT

Adres klienta: ul. Korkowa 24A
04-502
Warszawa
Poland

Kontakt/y: Aleksandra Urbaniak-Sloma
Michał Jarosz

Projekt: BYDGOSZCZ, PROJEKT RDOS
ZACHEM

Numer oferty:		Data przyjęcia próbek:	01-Aug-2019
Numer wyceny:		Data rejestracji próbek:	01-Aug-2019
Ilość próbek:	13	Termin docelowy:	07-Aug-2019
Czas realizacji zlecenia: (ilość dni roboczych)	5	Termin realizacji zlecenia:	07-Aug-2019
Data zatwierdzenia:	09-Aug-2019		

Zatwierdził:

Szczegóły: Martin Dyer, Laboratory Manager

Tłumaczenie:

mgr Michał Jarosz, Account Manager

Wyniki badań gleby/gruntu

Klient: SEGI-AT	Chemtest Job No.:				19-25920	19-25920	19-25920	19-25920	19-25920	19-25920	19-25920	19-25920
Numer oferty:	Chemtest Sample ID.:				867361	867362	867363	867364	867365	867366	867367	867368
	Nr identyfikacyjny próbki:				1	2	3	4	5	6	7	8
	Nr otworu/lokalizacja:				O-4/1	O-4/2	O-4/3	O-4/4	O-4/5	O-4/6	O-4/7	O-4/8
	Matryca:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Głębokość od (m):				0.25	1.00	3.00	5.00	7.00	9.00	11.00	13.00
	Głębokość do (m):				1.00	3.00	5.00	7.00	9.00	11.00	13.00	15.00
	Pobrano przez zleceniodawcę zgodnie z ISO 10381-5				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Data poboru próbek				25-Jul-2019	25-Jul-2019	25-Jul-2019	25-Jul-2019	25-Jul-2019	25-Jul-2019	25-Jul-2019	25-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji								
Wilgotnosc	N	2030	%	0.020	1.4	2.3	3.3	9.6	14	15	15	15
Arsen	U	2450	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.9	< 1.0	< 1.0
Bar	U	2450	mg/kg	10	19	14	< 10	< 10	< 10	< 10	< 10	< 10
Kadm	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Kobalt	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chrom	U	2450	mg/kg	1.0	3.8	3.2	3.0	3.4	2.7	2.7	1.9	1.5
Molibden	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Cyna	N	2450	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Miedź	U	2450	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Rtec	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nikiel	U	2450	mg/kg	0.50	2.2	1.7	1.6	1.5	1.7	1.7	1.3	1.3
Ółów	U	2450	mg/kg	0.50	1.9	1.6	1.6	0.92	0.98	0.94	0.71	0.58
Cynk	U	2450	mg/kg	0.50	8.0	4.6	5.4	2.8	3.8	2.8	6.0	2.1
Ogólny węgiel organiczny (TOC)	U	2625	%	0.20	0.25	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Naftalen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaftylen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaften	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fenantren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(a)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chryzen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(b)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(k)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(a)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-cd)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenzo(a,h)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(g,h,i)perylen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Suma WWA (9 związków)	U	2700	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Suma WWA (16 związków)	U	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Suma BTEX	U	2760	mg/kg	0.010				< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzen	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Trichloroeten	N	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Toluen	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Tetrachloroeten	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Wyniki badań gleby/gruntu

Klient: SEGI-AT	Chemtest Job No.:				19-25920	19-25920	19-25920	19-25920	19-25920	19-25920	19-25920	19-25920
Numer oferty:	Chemtest Sample ID.:				867361	867362	867363	867364	867365	867366	867367	867368
	Nr identyfikacyjny próbki:				1	2	3	4	5	6	7	8
	Nr otworu/lokalizacja:				O-4/1	O-4/2	O-4/3	O-4/4	O-4/5	O-4/6	O-4/7	O-4/8
	Matryca:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Głębokość od (m):				0.25	1.00	3.00	5.00	7.00	9.00	11.00	13.00
	Głębokość do (m):				1.00	3.00	5.00	7.00	9.00	11.00	13.00	15.00
	Pobrano przez zleceniodawcę zgodnie z ISO 10381-5				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Data poboru próbki				25-Jul-2019	25-Jul-2019	25-Jul-2019	25-Jul-2019	25-Jul-2019	25-Jul-2019	25-Jul-2019	25-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji								
Etylobenzen	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
m & p-Ksylen	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
o-Ksylen	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Styren	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Epichlorohydryna	N	2760	mg/kg	0.010				< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Nitrobenzen	U	2790	mg/kg	0.50				< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloroanilina	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
2-Nitroanilina	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
3-Nitroanilina	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
4-Nitroanilina	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
5-Nitro-o-toluidyna	N	2790	mg/kg	0.25				< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
4-tert-Oktylofenol	N	2790	mg/kg	5.00				<5.0	<5.0	<5.0	<5.0	<5.0
o-Toluidyna	N	2790	mg/kg	0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Aminobifenyl	N	2790	mg/kg	0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anilina	N	2790	mg/kg	0.50				< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Difenyloamina	N	2790	mg/kg	0.075				< 0.075	< 0.075	< 0.075	< 0.075	< 0.075
Rezorcyna	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Fenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Krezole	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Ksylenole	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1-Naftol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trimetylofenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Fenole suma	U	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
AOX	N	1265	mg/kg	0.10				1.3	1.1	1.2	0.83	0.96
4-Hidroksybifenyl	N	1790	mg/kg	5.00				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Hidroksybifenyl	N	1790	mg/kg	5.00				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Sulfon difenyłowy	N	1790	mg/kg	5.00				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Wyniki badań gleby/gruntu

Klient: SEGI-AT	Chemtest Job No.:				19-25920	19-25920	19-25920	19-25920	19-25920
Numer oferty:	Chemtest Sample ID.:				867369	867370	867371	867372	867373
	Nr identyfikacyjny próbki:				9	10	11	12	13
	Nr otworu/lokalizacja:				O-4/9	O-4/10	O-4/11	O-4/12	O-4/13
	Matryca:				SOIL	SOIL	SOIL	SOIL	SOIL
	Głębokość od (m):				15.00	17.00	19.00	21.00	23.00
	Głębokość do (m):				17.00	19.00	21.00	23.00	25.00
	Pobrano przez zleceniodawcę zgodnie z ISO 10381-5				Yes	Yes	Yes	Yes	Yes
	Data poboru próbek				25-Jul-2019	25-Jul-2019	25-Jul-2019	25-Jul-2019	25-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji					
Wilgotnosc	N	2030	%	0.020	12	8.8	12	12	10
Arsen	U	2450	mg/kg	1.0	1.4	3.0	3.9	1.8	1.7
Bar	U	2450	mg/kg	10	< 10	19	17	< 10	< 10
Kadm	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Kobalt	U	2450	mg/kg	2.0	< 2.0	2.7	< 2.0	< 2.0	< 2.0
Chrom	U	2450	mg/kg	1.0	1.4	10	5.2	2.1	2.2
Molibden	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Cyna	N	2450	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Miedź	U	2450	mg/kg	0.50	0.54	2.5	0.74	< 0.50	1.3
Rtec	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nikiel	U	2450	mg/kg	0.50	1.7	6.8	3.7	2.8	2.9
Ółów	U	2450	mg/kg	0.50	0.76	1.8	2.1	1.4	1.8
Cynk	U	2450	mg/kg	0.50	2.2	8.8	6.2	7.0	5.3
Ogólny węgiel organiczny (TOC)	U	2625	%	0.20	< 0.20	< 0.20	0.21	< 0.20	< 0.20
Naftalen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaftylen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaften	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fenantren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(a)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chryzen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(b)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(k)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(a)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-cd)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenzo(a,h)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(g,h,i)perylen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Suma WWA (9 związków)	U	2700	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Suma WWA (16 związków)	U	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Suma BTEX	U	2760	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Trichloroeten	N	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Toluen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Tetrachloroeten	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Wyniki badań gleby/gruntu

Klient: SEGI-AT	Chemtest Job No.:					19-25920	19-25920	19-25920	19-25920	19-25920
Numer oferty:	Chemtest Sample ID.:					867369	867370	867371	867372	867373
	Nr identyfikacyjny próbki:					9	10	11	12	13
	Nr otworu/lokalizacja:					O-4/9	O-4/10	O-4/11	O-4/12	O-4/13
	Matryca:					SOIL	SOIL	SOIL	SOIL	SOIL
	Głębokość od (m):					15.00	17.00	19.00	21.00	23.00
	Głębokość do (m):					17.00	19.00	21.00	23.00	25.00
	Pobrano przez zleceniodawcę zgodnie z ISO 10381-5					Yes	Yes	Yes	Yes	Yes
	Data poboru próbki					25-Jul-2019	25-Jul-2019	25-Jul-2019	25-Jul-2019	25-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji						
Etylobenzen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
m & p-Ksilen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
o-Ksilen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Styren	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Epichlorohydryna	N	2760	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Nitrobenzen	U	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloroanilina	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
2-Nitroanilina	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
3-Nitroanilina	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
4-Nitroanilina	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
5-Nitro-o-toluidyna	N	2790	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
4-tert-Oktylofenol	N	2790	mg/kg	5.00	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
o-Toluidyna	N	2790	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Aminobifenyl	N	2790	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anilina	N	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Difenyloamina	N	2790	mg/kg	0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075
Rezorcyne	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Fenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Krezole	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Ksylenele	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1-Naftol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trimetylofenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Fenole suma	U	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
AOX	N	1265	mg/kg	0.10	1.1	0.94	0.87	0.72	1.7	
4-Hydroksybifenyl	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Hydroksybifenyl	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Sulfon difenyłowy	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Dodatkowe informacje/Słownik skrótów**Skróty**

U	Akredytacja UKAS
M	Akredytacja UKAS i MCERTS
N	Brak akredytacji
S	Analiza podzlecona, akredytowana
SN	Analiza podzlecona nieakredytowana, badana w akredytowanym laboratorium
T	Analiza podzlecona, badana w nieakredytowanym laboratorium
I/S	Niewystarczająca ilość materiału badawczego
U/S	Nieodpowiednia próbka
N/E	Nie oceniono
SOP	Standardowa procedura operacyjna
<	Znak < znaczy "mniejszy od"
>	Znak > znaczy "większy od"

Komentarze i interpretacje są poza zakresem akredytacji UKAS

Wyniki w sprawozdaniu dotyczą jedynie badanego obiektu, dostarczonego do laboratorium.

Prezentowanie wyników wraz z wartością niepewności jest możliwe na życzenie klienta

Wyniki badań w niniejszym sprawozdaniu nie zostały skorygowane z wartością niepewności

Wszystkie wyniki są wyrażone w przeliczeniu na suchą masę

Wyniki następujących testów zostały skorygowane do zawartości suchej masy: Węglowodory rop., BTEX, LZO, półlotne związki organiczne, PCB, fenole

Pozostałe badania próbek zostały wykonane na suchej zawartości próbki uprzednio wysuszonej w temperaturze <37°C

Badania azbestu są wykonywane w laboratorium w Coventry.

Numery wydania są ponumerowane kolejno zaczynając od 1.

Skróty przy wyniku dla próbek, które mogły utracić stabilność

- A - Nie podano daty poboru próbki
- B - Próbka, która mogła utracić stabilność w wyniku zbyt długiego przechowywania
- C - Próbka dostarczona w nieodpowiednim pojemniku.
- D - Uszkodzone opakowanie
- E - Niewystarczająca ilość próbki

Przechowywanie oraz utylizacja

Wszystkie próbki gleby/gruntu otrzymane przez nasze laboratorium będą magazynowane przez okres 45 dni

Wszystkie próbki wody otrzymane przez nasze laboratorium będą magazynowane przez okres 14 dni

W przypadku wydłużenia czasu magazynowania próbek na prośbę klienta, może zostać naliczona dodatkowa opłata

Jeżeli mają Państwo jakiegokolwiek pytania prosimy o kontakt z obsługą klienta

customerservices@chemtest.com



Amended Report

Report No.: 19-25923-2

Initial Date of Issue: 13-Aug-2019 **Date of Re-Issue:** 13-Aug-2019

Client: SEGI-AT

Client Address: ul. Korkowa 24A
04-502
Warszawa
Poland

Contact(s): Aleksandra Urbaniak-Sloma
Michal Jarosz

Project: BYDGOSZCZ, PROJEKT RDOS
ZACHEM

Quotation No.: **Date Received:** 01-Aug-2019

Order No.: **Date Instructed:** 01-Aug-2019

No. of Samples: 13

Turnaround (Wkdays): 5 **Results Due:** 07-Aug-2019

Date Approved: 13-Aug-2019

Approved By:



Details: Robert Monk, Technical Manager

Results - Soil

Client: SEGI-AT	Chemtest Job No.: 19-25923 19-25923 19-25923 19-25923 19-25923 19-25923 19-25923 19-25923 19-25923 19-25923 19-25923													
Quotation No.:	Chemtest Sample ID.: 867405 867406 867407 867408 867409 867410 867411 867412 867413 867414													
	Client Sample ID.: 1 2 3 4 5 6 7 8 9 10													
	Sample Location: O-5/1 O-5/2 O-5/3 O-5/4 O-5/5 O-5/6 O-5/7 O-5/8 O-5/9 O-5/10													
	Sample Type: SOIL SOIL SOIL SOIL SOIL SOIL SOIL SOIL SOIL SOIL SOIL													
	Top Depth (m): 0.25 1.00 3.00 5.00 7.00 9.00 11.00 13.00 15.00 17.00													
	Bottom Depth (m): 1.00 3.00 5.00 7.00 9.00 11.00 13.00 15.00 17.00 19.00													
	Date Sampled: 27-Jul-2019 27-Jul-2019 27-Jul-2019 27-Jul-2019 27-Jul-2019 27-Jul-2019 27-Jul-2019 27-Jul-2019 27-Jul-2019 27-Jul-2019 27-Jul-2019													
Determinand	Accred.	SOP	Units	LOD										
Moisture	N	2030	%	0.020	1.5	1.9	2.7	11	15	14	14	14	15	12
Arsenic	U	2450	mg/kg	1.0	< 1.0	1.0	< 1.0	< 1.0	1.0	< 1.0	< 1.0	1.2	2.4	2.1
Barium	U	2450	mg/kg	10	11	17	< 10	< 10	< 10	< 10	< 10	< 10	18	< 10
Cadmium	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cobalt	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	3.3	< 2.0
Chromium	U	2450	mg/kg	1.0	4.0	4.5	2.9	2.7	2.3	2.7	3.0	3.9	8.4	5.3
Molybdenum	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Tin	N	2450	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Copper	U	2450	mg/kg	0.50	< 0.50	140	1.3	< 0.50	< 0.50	< 0.50	< 0.50	2.2	8.4	1.3
Mercury	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	U	2450	mg/kg	0.50	2.2	3.7	1.5	1.4	1.6	1.5	1.6	3.0	12	3.1
Lead	U	2450	mg/kg	0.50	2.7	52	1.5	1.0	0.95	1.1	1.1	2.2	5.0	1.8
Zinc	U	2450	mg/kg	0.50	5.6	84	2.2	2.1	1.9	2.6	2.6	5.2	18	4.4
Total Organic Carbon	U	2625	%	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	0.79	< 0.20	< 0.20
Naphthalene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 9 PAH's	U	2700	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Of 16 PAH's	U	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Total BTEX	U	2760	mg/kg	0.010				< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Trichloroethene	N	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Toluene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Tetrachloroethene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Ethylbenzene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Results - Soil

Client: SEGI-AT	Chemtest Job No.: 19-25923											
Quotation No.:	Chemtest Sample ID.: 867405											
	Client Sample ID.: 1											
	Sample Location: O-5/1											
	Sample Type: SOIL											
	Top Depth (m): 0.25											
	Bottom Depth (m): 1.00											
	Date Sampled: 27-Jul-2019											
Determinand	Accred.	SOP	Units	LOD								
m & p-Xylene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
o-Xylene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Styrene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Epichlorohydrin	N	2760	mg/kg	0.010				< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Nitrobenzene	U	2790	mg/kg	0.50				< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloroaniline	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
2-Nitroaniline	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
3-Nitroaniline	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
4-Nitroaniline	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
5-Nitro-o-toluidine	N	2790	mg/kg	0.25				< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
4-tert-Octylphenol	N	2790	mg/kg	5.00				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Toluidine	N	2790	mg/kg	0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Aminobiphenyl	N	2790	mg/kg	0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aniline	N	2790	mg/kg	0.50				< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Diphenylamine	N	2790	mg/kg	0.075				< 0.075	< 0.075	< 0.075	< 0.075	< 0.075
Resorcinol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Phenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Cresols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.18	< 0.050
Xylenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.54	< 0.050
1-Naphthol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.29	< 0.050
Trimethylphenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.068	< 0.050
Total Phenols	U	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	1.1	< 0.30
AOX in Soil	N	1265	mg/kg	0.10				1.6	1.5	1.5	1.0	2.0
4-Hydroxybiphenyl	N	1790	mg/kg	5.00				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Hydroxybiphenyl	N	1790	mg/kg	5.00				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Diphenyl Sulfone	N	1790	mg/kg	5.00				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Client: SEGI-AT	Chemtest Job No.:				19-25923	19-25923	19-25923
Quotation No.:	Chemtest Sample ID.:				867415	867416	867417
	Client Sample ID.:				11	12	13
	Sample Location:				O-5/11	O-5/12	O-5/13
	Sample Type:				SOIL	SOIL	SOIL
	Top Depth (m):				19.00	21.00	23.00
	Bottom Depth (m):				21.00	23.00	25.00
	Date Sampled:				27-Jul-2019	27-Jul-2019	27-Jul-2019
Determinand	Accred.	SOP	Units	LOD			
Moisture	N	2030	%	0.020	13	14	15
Arsenic	U	2450	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Barium	U	2450	mg/kg	10	< 10	< 10	< 10
Cadmium	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Cobalt	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0
Chromium	U	2450	mg/kg	1.0	2.5	2.8	1.7
Molybdenum	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0
Tin	N	2450	mg/kg	5.0	< 5.0	< 5.0	< 5.0
Copper	U	2450	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Mercury	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Nickel	U	2450	mg/kg	0.50	1.8	1.5	1.1
Lead	U	2450	mg/kg	0.50	1.3	1.5	0.86
Zinc	U	2450	mg/kg	0.50	2.4	2.8	0.90
Total Organic Carbon	U	2625	%	0.20	< 0.20	< 0.20	< 0.20
Naphthalene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Fluorene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Chrysene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Total Of 9 PAH's	U	2700	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Total Of 16 PAH's	U	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0
Total BTEX	U	2760	mg/kg	0.010	< 0.010	< 0.010	< 0.010
Benzene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010
Trichloroethene	N	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010
Toluene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010
Tetrachloroethene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010
Ethylbenzene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010

Client: SEGI-AT	Chemtest Job No.:				19-25923	19-25923	19-25923
Quotation No.:	Chemtest Sample ID.:				867415	867416	867417
	Client Sample ID.:				11	12	13
	Sample Location:				O-5/11	O-5/12	O-5/13
	Sample Type:				SOIL	SOIL	SOIL
	Top Depth (m):				19.00	21.00	23.00
	Bottom Depth (m):				21.00	23.00	25.00
	Date Sampled:				27-Jul-2019	27-Jul-2019	27-Jul-2019
Determinand	Accred.	SOP	Units	LOD			
m & p-Xylene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010
o-Xylene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010
Styrene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010
Epichlorohydrin	N	2760	mg/kg	0.010	< 0.010	< 0.010	< 0.010
Nitrobenzene	U	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
4-Chloroaniline	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050
2-Nitroaniline	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050
3-Nitroaniline	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050
4-Nitroaniline	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050
5-Nitro-o-toluidine	N	2790	mg/kg	0.25	< 0.25	< 0.25	< 0.25
4-tert-Octylphenol	N	2790	mg/kg	5.00	<5.0	<5.0	<5.0
o-Toluidine	N	2790	mg/kg	0.10	< 0.10	< 0.10	< 0.10
4-Aminobiphenyl	N	2790	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Aniline	N	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Diphenylamine	N	2790	mg/kg	0.075	< 0.075	< 0.075	< 0.075
Resorcinol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Phenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Cresols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Xylenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
1-Naphthol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Trimethylphenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Total Phenols	U	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30
AOX in Soil	N	1265	mg/kg	0.10	0.78	0.66	1.4
4-Hydroxybiphenyl	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0
2-Hydroxybiphenyl	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0
Diphenyl Sulfone	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0

Report Information

Key

- U UKAS accredited
- M MCERTS and UKAS accredited
- N Unaccredited
- S This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
- SN This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
- T This analysis has been subcontracted to an unaccredited laboratory
- I/S Insufficient Sample
- U/S Unsuitable Sample
- N/E not evaluated
- < "less than"
- > "greater than"

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt



Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



SPRAWOZDANIE Z BADAŃ (z naniesionymi zmianami)

Numer sprawozdania:	19-25923-2		
Data wydania:	13-Aug-2019	Data ponownego wydania:	13-Aug-2019
Klient:	SEGI-AT		
Adres klienta:	ul. Korkowa 24A 04-502 Warszawa Poland		
Kontakt/y:	Aleksandra Urbaniak-Sloma Michał Jarosz		
Projekt:	BYDGOSZCZ, PROJEKT RDOS ZACHEM		
Numer oferty:		Data przyjęcia próbek:	01-Aug-2019
Numer wyceny:		Data rejestracji próbek:	01-Aug-2019
Ilość próbek:	13	Termin docelowy:	07-Aug-2019
Czas realizacji zlecenia: (ilość dni roboczych)	5	Termin realizacji zlecenia:	07-Aug-2019
Data zatwierdzenia:	13-Aug-2019		
Zatwierdził:		Tłumaczenie:	
			
Szczegóły:	Robert Monk, Technical Manager		mgr Michał Jarosz, Account Manager

Wyniki badań gleby/gruntu

Klient: SEGI-AT	Chemtest Job No.:				19-25923	19-25923	19-25923	19-25923	19-25923	19-25923	19-25923	19-25923
Numer oferty:	Chemtest Sample ID.:				867405	867406	867407	867408	867409	867410	867411	867412
	Nr identyfikacyjny próbki:				1	2	3	4	5	6	7	8
	Nr otworu/lokalizacja:				O-5/1	O-5/2	O-5/3	O-5/4	O-5/5	O-5/6	O-5/7	O-5/8
	Matryca:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Głębokość od (m):				0.25	1.00	3.00	5.00	7.00	9.00	11.00	13.00
	Głębokość do (m):				1.00	3.00	5.00	7.00	9.00	11.00	13.00	15.00
	Data poboru próbki				27-Jul-2019	27-Jul-2019	27-Jul-2019	27-Jul-2019	27-Jul-2019	27-Jul-2019	27-Jul-2019	27-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji								
Wilgotnosc	N	2030	%	0.020	1.5	1.9	2.7	11	15	14	14	14
Arsen	U	2450	mg/kg	1.0	< 1.0	1.0	< 1.0	< 1.0	1.0	< 1.0	< 1.0	1.2
Bar	U	2450	mg/kg	10	11	17	< 10	< 10	< 10	< 10	< 10	< 10
Kadm	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Kobalt	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chrom	U	2450	mg/kg	1.0	4.0	4.5	2.9	2.7	2.3	2.7	3.0	3.9
Molibden	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Cyna	N	2450	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Miedź	U	2450	mg/kg	0.50	< 0.50	140	1.3	< 0.50	< 0.50	< 0.50	< 0.50	2.2
Rtec	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nikiel	U	2450	mg/kg	0.50	2.2	3.7	1.5	1.4	1.6	1.5	1.6	3.0
Olów	U	2450	mg/kg	0.50	2.7	52	1.5	1.0	0.95	1.1	1.1	2.2
Cynk	U	2450	mg/kg	0.50	5.6	84	2.2	2.1	1.9	2.6	2.6	5.2
Ogólny węgiel organiczny (TOC)	U	2625	%	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	0.79
Naftalen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaftylen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaften	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fenantren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(a)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chryzen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(b)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(k)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(a)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-cd)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenzo(a,h)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(g,h,i)perylen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Suma WWA (9 związków)	U	2700	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Suma WWA (16 związków)	U	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Suma BTEX	U	2760	mg/kg	0.010				< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzen	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Trichloroeten	N	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Toluen	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Tetrachloroeten	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Etylobenzen	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Wyniki badań gleby/gruntu

Klient: SEGI-AT	Chemtest Job No.:				19-25923	19-25923	19-25923	19-25923	19-25923	19-25923	19-25923	19-25923
Numer oferty:	Chemtest Sample ID.:				867405	867406	867407	867408	867409	867410	867411	867412
	Nr identyfikacyjny próbki:				1	2	3	4	5	6	7	8
	Nr otworu/lokalizacja:				O-5/1	O-5/2	O-5/3	O-5/4	O-5/5	O-5/6	O-5/7	O-5/8
	Matryca:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Głębokość od (m):				0.25	1.00	3.00	5.00	7.00	9.00	11.00	13.00
	Głębokość do (m):				1.00	3.00	5.00	7.00	9.00	11.00	13.00	15.00
	Data poboru próbki				27-Jul-2019	27-Jul-2019	27-Jul-2019	27-Jul-2019	27-Jul-2019	27-Jul-2019	27-Jul-2019	27-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji								
m & p-Ksylen	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
o-Ksylen	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Styren	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Epichlorohydryna	N	2760	mg/kg	0.010				< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Nitrobenzen	U	2790	mg/kg	0.50				< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloroanilina	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
2-Nitroanilina	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
3-Nitroanilina	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
4-Nitroanilina	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
5-Nitro-o-toluidyna	N	2790	mg/kg	0.25				< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
4-tert-Oktylofenol	N	2790	mg/kg	5.00				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Toluidyna	N	2790	mg/kg	0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Aminobifenyl	N	2790	mg/kg	0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anilina	N	2790	mg/kg	0.50				< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Difenyloamina	N	2790	mg/kg	0.075				< 0.075	< 0.075	< 0.075	< 0.075	< 0.075
Rezorcyne	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Fenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Krezole	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.18
Ksylenole	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.54
1-Naftol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.29
Trimetylofenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.068
Fenole suma	U	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	1.1
AOX	N	1265	mg/kg	0.10				1.6	1.5	1.5	1.0	2.0
4-Hydroksybifenyl	N	1790	mg/kg	5.00				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Hydroksybifenyl	N	1790	mg/kg	5.00				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Sulfon difenyłowy	N	1790	mg/kg	5.00				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Wyniki badań gleby/gruntu

Klient: SEGI-AT	Chemtest Job No.:				19-25923	19-25923	19-25923	19-25923	19-25923
Numer oferty:	Chemtest Sample ID.:				867413	867414	867415	867416	867417
	Nr identyfikacyjny próbki:				9	10	11	12	13
	Nr otworu/lokalizacja:				O-5/9	O-5/10	O-5/11	O-5/12	O-5/13
	Matryca:				SOIL	SOIL	SOIL	SOIL	SOIL
	Głębokość od (m):				15.00	17.00	19.00	21.00	23.00
	Głębokość do (m):				17.00	19.00	21.00	23.00	25.00
	Data poboru próbki				27-Jul-2019	27-Jul-2019	27-Jul-2019	27-Jul-2019	27-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji					
Wilgotnosc	N	2030	%	0.020	15	12	13	14	15
Arsen	U	2450	mg/kg	1.0	2.4	2.1	< 1.0	< 1.0	< 1.0
Bar	U	2450	mg/kg	10	18	< 10	< 10	< 10	< 10
Kadm	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Kobalt	U	2450	mg/kg	2.0	3.3	< 2.0	< 2.0	< 2.0	< 2.0
Chrom	U	2450	mg/kg	1.0	8.4	5.3	2.5	2.8	1.7
Molibden	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Cyna	N	2450	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Miedź	U	2450	mg/kg	0.50	8.4	1.3	< 0.50	< 0.50	< 0.50
Rtec	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nikiel	U	2450	mg/kg	0.50	12	3.1	1.8	1.5	1.1
Olów	U	2450	mg/kg	0.50	5.0	1.8	1.3	1.5	0.86
Cynk	U	2450	mg/kg	0.50	18	4.4	2.4	2.8	0.90
Ogólny węgiel organiczny (TOC)	U	2625	%	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Naftalen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaftylen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaften	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fenantren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(a)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chryzen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(b)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(k)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(a)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-cd)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenzo(a,h)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(g,h,i)perylen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Suma WWA (9 związków)	U	2700	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Suma WWA (16 związków)	U	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Suma BTEX	U	2760	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Trichloroeten	N	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Toluen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Tetrachloroeten	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Etylobenzen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Wyniki badań gleby/gruntu

Klient: SEGI-AT	Chemtest Job No.:					19-25923	19-25923	19-25923	19-25923	19-25923
Numer oferty:	Chemtest Sample ID.:					867413	867414	867415	867416	867417
	Nr identyfikacyjny próbki:					9	10	11	12	13
	Nr otworu/lokalizacja:					O-5/9	O-5/10	O-5/11	O-5/12	O-5/13
	Matryca:					SOIL	SOIL	SOIL	SOIL	SOIL
	Głębokość od (m):					15.00	17.00	19.00	21.00	23.00
	Głębokość do (m):					17.00	19.00	21.00	23.00	25.00
	Data poboru próbki					27-Jul-2019	27-Jul-2019	27-Jul-2019	27-Jul-2019	27-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji						
m & p-Ksilen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
o-Ksilen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Styren	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Epichlorohydryna	N	2760	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Nitrobenzen	U	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloroanilina	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
2-Nitroanilina	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
3-Nitroanilina	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
4-Nitroanilina	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
5-Nitro-o-toluidyna	N	2790	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
4-tert-Oktylofenol	N	2790	mg/kg	5.00	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
o-Toluidyna	N	2790	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Aminobifenyl	N	2790	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anilina	N	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Difenyloamina	N	2790	mg/kg	0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075
Rezorcyne	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Fenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Krezole	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Ksylenele	U	2920	mg/kg	0.050	0.054	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1-Naftol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trimetylofenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Fenole suma	U	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
AOX	N	1265	mg/kg	0.10	1.0	0.64	0.78	0.66	1.4	
4-Hydroksybifenyl	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Hydroksybifenyl	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Sulfon difenyłowy	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Dodatkowe informacje/Słownik skrótów**Skróty**

U	Akredytacja UKAS
M	Akredytacja UKAS i MCERTS
N	Brak akredytacji
S	Analiza podzlecona, akredytowana
SN	Analiza podzlecona nieakredytowana, badana w akredytowanym laboratorium
T	Analiza podzlecona, badana w nieakredytowanym laboratorium
I/S	Niewystarczająca ilość materiału badawczego
U/S	Nieodpowiednia próbka
N/E	Nie oceniono
SOP	Standardowa procedura operacyjna
<	Znak < znaczy "mniejszy od"
>	Znak > znaczy "większy od"

Komentarze i interpretacje są poza zakresem akredytacji UKAS

Wyniki w sprawozdaniu dotyczą jedynie badanego obiektu, dostarczonego do laboratorium.

Prezentowanie wyników wraz z wartością niepewności jest możliwe na życzenie klienta

Wyniki badań w niniejszym sprawozdaniu nie zostały skorygowane z wartością niepewności

Wszystkie wyniki są wyrażone w przeliczeniu na suchą masę

Wyniki następujących testów zostały skorygowane do zawartości suchej masy: Węglowodory rop., BTEX, LZO, półlotne związki organiczne, PCB, fenole

Pozostałe badania próbek zostały wykonane na suchej zawartości próbki uprzednio wysuszonej w temperaturze <37°C

Badania azbestu są wykonywane w laboratorium w Coventry.

Numery wydania są ponumerowane kolejno zaczynając od 1.

Skróty przy wyniku dla próbek, które mogły utracić stabilność

- A - Nie podano daty poboru próbki
- B - Próbka, która mogła utracić stabilność w wyniku zbyt długiego przechowywania
- C - Próbka dostarczona w nieodpowiednim pojemniku.
- D - Uszkodzone opakowanie
- E - Niewystarczająca ilość próbki

Przechowywanie oraz utylizacja

Wszystkie próbki gleby/gruntu otrzymane przez nasze laboratorium będą magazynowane przez okres 45 dni

Wszystkie próbki wody otrzymane przez nasze laboratorium będą magazynowane przez okres 14 dni



W przypadku wydłużenia czasu magazynowania próbek na prośbę klienta, może zostać naliczona dodatkowa opłata

Jeżeli mają Państwo jakiegokolwiek pytania prosimy o kontakt z obsługą klienta

customerservices@chemtest.com



Amended Report

Report No.:	19-24846-2		
Initial Date of Issue:	29-Jul-2019	Date of Re-Issue:	13-Aug-2019
Client	SEGI-AT		
Client Address:	ul. Korkowa 24A 04-502 Warszawa Poland		
Contact(s):	Aleksandra Urbaniak-Sloma Michal Jarosz		
Project	Bydgoszcz, Projekt Rdos Zachem		
Quotation No.:		Date Received:	23-Jul-2019
Order No.:		Date Instructed:	23-Jul-2019
No. of Samples:	8		
Turnaround (Wkdays):	13	Results Due:	08-Aug-2019
Date Approved:	13-Aug-2019		
Approved By:	 		
Details:	Martin Dyer, Laboratory Manager Robert Monk, Technical Manager		

Results - Soil

Client: SEGI-AT	Chemtest Job No.: 19-24846											
Quotation No.:	Chemtest Sample ID.: 862808											
	Client Sample ID.:		1	2	3	4	5	7	8	9		
	Sample Location:		O-6/1	O-6/2	O-6/3	O-6/4	O-6/5	O-6/7	O-6/8	O-6/9		
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL		
	Top Depth (m):		0.25	1.00	3.00	5.00	7.00	11.00	13.00	15.00		
	Bottom Depth (m):		1.00	3.00	5.00	7.00	9.00	13.00	15.00	17.00		
	Date Sampled:		16-Jul-2019	16-Jul-2019	16-Jul-2019	16-Jul-2019	16-Jul-2019	16-Jul-2019	16-Jul-2019	16-Jul-2019		
Determinand	Accred.	SOP	Units	LOD								
Moisture	N	2030	%	0.020	0.71	2.3	15	16	17	13	12	10
Arsenic	U	2450	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.3	1.1
Barium	U	2450	mg/kg	10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Cadmium	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cobalt	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chromium	U	2450	mg/kg	1.0	3.2	2.9	3.0	1.8	4.1	1.0	1.4	1.5
Molybdenum	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Tin	N	2450	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Copper	U	2450	mg/kg	0.50	< 0.50	0.59	< 0.50	< 0.50	0.83	< 0.50	< 0.50	< 0.50
Mercury	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	U	2450	mg/kg	0.50	1.8	1.5	1.4	0.99	1.6	0.89	1.2	0.85
Lead	U	2450	mg/kg	0.50	1.9	2.3	1.0	0.83	0.99	0.60	0.93	0.99
Zinc	U	2450	mg/kg	0.50	5.3	2.9	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Total Organic Carbon	U	2625	%	0.20	< 0.20	0.22	< 0.20	< 0.20	< 0.20	< 0.20	0.25	0.39
Naphthalene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 9 PAH's	U	2700	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Of 16 PAH's	U	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Total BTEX	U	2760	mg/kg	0.010			< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzene	U	2760	mg/kg	0.0010			< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Trichloroethene	N	2760	mg/kg	0.0010			< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Toluene	U	2760	mg/kg	0.0010			< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Tetrachloroethene	U	2760	mg/kg	0.0010			< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Ethylbenzene	U	2760	mg/kg	0.0010			< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Results - Soil

Client: SEGI-AT	Chemtest Job No.: 19-24846										
Quotation No.:	Chemtest Sample ID.: 862808										
	Client Sample ID.:		1	2	3	4	5	7	8	9	
	Sample Location:		O-6/1	O-6/2	O-6/3	O-6/4	O-6/5	O-6/7	O-6/8	O-6/9	
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
	Top Depth (m):		0.25	1.00	3.00	5.00	7.00	11.00	13.00	15.00	
	Bottom Depth (m):		1.00	3.00	5.00	7.00	9.00	13.00	15.00	17.00	
	Date Sampled:		16-Jul-2019	16-Jul-2019	16-Jul-2019	16-Jul-2019	16-Jul-2019	16-Jul-2019	16-Jul-2019	16-Jul-2019	
Determinand	Accred.	SOP	Units	LOD							
m & p-Xylene	U	2760	mg/kg	0.0010			< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
o-Xylene	U	2760	mg/kg	0.0010			< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Styrene	U	2760	mg/kg	0.0010			< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Epichlorohydrin	N	2760	mg/kg	0.010			< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Nitrobenzene	U	2790	mg/kg	0.50			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloroaniline	N	2790	mg/kg	0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
2-Nitroaniline	N	2790	mg/kg	0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
3-Nitroaniline	N	2790	mg/kg	0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
4-Nitroaniline	N	2790	mg/kg	0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
5-Nitro-o-toluidine	N	2790	mg/kg	0.25			< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
4-tert-Octylphenol	N	2790	mg/kg	5.00			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Toluidine	N	2790	mg/kg	0.10			< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Aminobiphenyl	N	2790	mg/kg	0.10			< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aniline	N	2790	mg/kg	0.50			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Diphenylamine	N	2790	mg/kg	0.075			< 0.075	< 0.075	< 0.075	< 0.075	< 0.075
Resorcinol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Phenol	U	2920	mg/kg	0.050	12	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Cresols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Xylenols	U	2920	mg/kg	0.050	0.35	< 0.050	0.14	0.071	0.11	0.057	< 0.050
1-Naphthol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trimethylphenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	0.059	0.059	0.072	< 0.050	< 0.050
Total Phenols	U	2920	mg/kg	0.30	13	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
AOX in Soil	N	1265	mg/kg	0.10			1.1	2.2	2.6	1.5	1.8
4-Hydroxybiphenyl	N	1790	mg/kg	5.00			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Hydroxybiphenyl	N	1790	mg/kg	5.00			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Diphenyl Sulfone	N	1790	mg/kg	5.00			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Report Information

Key

- U UKAS accredited
- M MCERTS and UKAS accredited
- N Unaccredited
- S This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
- SN This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
- T This analysis has been subcontracted to an unaccredited laboratory
- I/S Insufficient Sample
- U/S Unsuitable Sample
- N/E not evaluated
- < "less than"
- > "greater than"

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



SPRAWOZDANIE Z BADAŃ (z naniesionymi zmianami)

Numer sprawozdania: 19-24846-2

Data wydania: 29-Jul-2019 **Data ponownego wydania:** 13-Aug-2019

Klient: SEGI-AT

Adres klienta: ul. Korkowa 24A
04-502
Warszawa
Poland

Kontakt/y: Aleksandra Urbaniak-Sloma
Michał Jarosz

Projekt: Bydgoszcz, Projekt Rdos Zachem




Numer oferty: **Data przyjęcia próbek:** 23-Jul-2019

Numer wyceny: **Data rejestracji próbek:** 23-Jul-2019

Ilość próbek: 8 **Termin docelowy:** 08-Aug-2019

Czas realizacji zlecenia: 13 **Termin realizacji zlecenia:** 08-Aug-2019
(ilość dni roboczych)

Data zatwierdzenia: 13-Aug-2019

Zatwierdził:   **Tłumaczenie:** 

Szczegóły: Martin Dyer, Laboratory Manager
Robert Monk, Technical Manager mgr Michał Jarosz, Account Manager

Wyniki badań gleby/gruntu

Klient: SEGI-AT	Chemtest Job No.:				19-24846	19-24846	19-24846	19-24846	19-24846	19-24846	19-24846	19-24846
Numer oferty:	Chemtest Sample ID.:				862808	862809	862810	862811	862812	862813	862814	862815
	Nr identyfikacyjny próbki:				1	2	3	4	5	7	8	9
	Nr otworu/lokalizacja:				O-6/1	O-6/2	O-6/3	O-6/4	O-6/5	O-6/7	O-6/8	O-6/9
	Matryca:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Głębokość od (m):				0.25	1.00	3.00	5.00	7.00	11.00	13.00	15.00
	Głębokość do (m):				1.00	3.00	5.00	7.00	9.00	13.00	15.00	17.00
	Pobrano przez zleceniodawcę zgodnie z ISO 10381-5				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Data poboru próbek				16-Jul-2019	16-Jul-2019	16-Jul-2019	16-Jul-2019	16-Jul-2019	16-Jul-2019	16-Jul-2019	16-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji								
Wilgotnosc	N	2030	%	0.020	0.71	2.3	15	16	17	13	12	10
Arsen	U	2450	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.3	1.1
Bar	U	2450	mg/kg	10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Kadm	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Kobalt	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chrom	U	2450	mg/kg	1.0	3.2	2.9	3.0	1.8	4.1	1.0	1.4	1.5
Molibden	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Cyna	N	2450	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Miedź	U	2450	mg/kg	0.50	< 0.50	0.59	< 0.50	< 0.50	0.83	< 0.50	< 0.50	< 0.50
Rtec	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nikiel	U	2450	mg/kg	0.50	1.8	1.5	1.4	0.99	1.6	0.89	1.2	0.85
Ółów	U	2450	mg/kg	0.50	1.9	2.3	1.0	0.83	0.99	0.60	0.93	0.99
Cynk	U	2450	mg/kg	0.50	5.3	2.9	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Ogólny węgiel organiczny (TOC)	U	2625	%	0.20	< 0.20	0.22	< 0.20	< 0.20	< 0.20	< 0.20	0.25	0.39
Naftalen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaftylen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaften	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fenantren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(a)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chryzen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(b)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(k)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(a)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-cd)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenzo(a,h)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(g,h,i)perylen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Suma WWA (9 związków)	U	2700	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Suma WWA (16 związków)	U	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Suma BTEX	U	2760	mg/kg	0.010			< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzen	U	2760	mg/kg	0.0010			< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Trichloroeten	N	2760	mg/kg	0.0010			< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Toluen	U	2760	mg/kg	0.0010			< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Tetrachloroeten	U	2760	mg/kg	0.0010			< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Wyniki badań gleby/gruntu

Klient: SEGI-AT	Chemtest Job No.:				19-24846	19-24846	19-24846	19-24846	19-24846	19-24846	19-24846	19-24846
Numer oferty:	Chemtest Sample ID.:				862808	862809	862810	862811	862812	862813	862814	862815
	Nr identyfikacyjny próbki:				1	2	3	4	5	7	8	9
	Nr otworu/lokalizacja:				O-6/1	O-6/2	O-6/3	O-6/4	O-6/5	O-6/7	O-6/8	O-6/9
	Matryca:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Głębokość od (m):				0.25	1.00	3.00	5.00	7.00	11.00	13.00	15.00
	Głębokość do (m):				1.00	3.00	5.00	7.00	9.00	13.00	15.00	17.00
	Pobrano przez zleceniodawcę zgodnie z ISO 10381-5				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Data poboru próbki				16-Jul-2019	16-Jul-2019	16-Jul-2019	16-Jul-2019	16-Jul-2019	16-Jul-2019	16-Jul-2019	16-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji								
Etylobenzen	U	2760	mg/kg	0.0010			< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
m & p-Ksilen	U	2760	mg/kg	0.0010			< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
o-Ksilen	U	2760	mg/kg	0.0010			< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Styren	U	2760	mg/kg	0.0010			< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Epichlorohydryna	N	2760	mg/kg	0.010			< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Nitrobenzen	U	2790	mg/kg	0.50			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloroanilina	N	2790	mg/kg	0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
2-Nitroanilina	N	2790	mg/kg	0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
3-Nitroanilina	N	2790	mg/kg	0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
4-Nitroanilina	N	2790	mg/kg	0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
5-Nitro-o-toluidyna	N	2790	mg/kg	0.25			< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
4-tert-Oktylofenol	N	2790	mg/kg	5.00			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
o-Toluidyna	N	2790	mg/kg	0.10			< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Aminobifenyl	N	2790	mg/kg	0.10			< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anilina	N	2790	mg/kg	0.50			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Difenyloamina	N	2790	mg/kg	0.075			< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075
Rezorcyna	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Fenol	U	2920	mg/kg	0.050	12	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Krezole	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Ksylenele	U	2920	mg/kg	0.050	0.35	< 0.050	0.14	0.071	0.11	0.057	0.057	< 0.050
1-Naftol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trimetylofenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	0.059	0.059	0.072	< 0.050	< 0.050	< 0.050
Fenole suma	U	2920	mg/kg	0.30	13	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
AOX	N	1265	mg/kg	0.10			1.1	2.2	2.6	1.5	1.6	1.8
4-Hydroksybifenyl	N	1790	mg/kg	5.00			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Hydroksybifenyl	N	1790	mg/kg	5.00			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Sulfon difenyłowy	N	1790	mg/kg	5.00			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Dodatkowe informacje/Słownik skrótów**Skróty**

U	Akredytacja UKAS
M	Akredytacja UKAS i MCERTS
N	Brak akredytacji
S	Analiza podzlecona, akredytowana
SN	Analiza podzlecona nieakredytowana, badana w akredytowanym laboratorium
T	Analiza podzlecona, badana w nieakredytowanym laboratorium
I/S	Niewystarczająca ilość materiału badawczego
U/S	Nieodpowiednia próbka
N/E	Nie oceniono
SOP	Standardowa procedura operacyjna
<	Znak < znaczy "mniejszy od"
>	Znak > znaczy "większy od"

Komentarze i interpretacje są poza zakresem akredytacji UKAS

Wyniki w sprawozdaniu dotyczą jedynie badanego obiektu, dostarczonego do laboratorium.

Prezentowanie wyników wraz z wartością niepewności jest możliwe na życzenie klienta

Wyniki badań w niniejszym sprawozdaniu nie zostały skorygowane z wartością niepewności

Wszystkie wyniki są wyrażone w przeliczeniu na suchą masę

Wyniki następujących testów zostały skorygowane do zawartości suchej masy: Węglowodory rop., BTEX, LZO, półlotne związki organiczne, PCB, fenole

Pozostałe badania próbek zostały wykonane na suchej zawartości próbki uprzednio wysuszonej w temperaturze <37°C

Badania azbestu są wykonywane w laboratorium w Coventry.

Numery wydania są ponumerowane kolejno zaczynając od 1.

Skróty przy wyniku dla próbek, które mogły utracić stabilność

- A - Nie podano daty poboru próbki
- B - Próbka, która mogła utracić stabilność w wyniku zbyt długiego przechowywania
- C - Próbka dostarczona w nieodpowiednim pojemniku.
- D - Uszkodzone opakowanie
- E - Niewystarczająca ilość próbki

Przechowywanie oraz utylizacja

Wszystkie próbki gleby/gruntu otrzymane przez nasze laboratorium będą magazynowane przez okres 45 dni

Wszystkie próbki wody otrzymane przez nasze laboratorium będą magazynowane przez okres 14 dni

W przypadku wydłużenia czasu magazynowania próbek na prośbę klienta, może zostać naliczona dodatkowa opłata

Jeżeli mają Państwo jakiegokolwiek pytania prosimy o kontakt z obsługą klienta

customerservices@chemtest.com



Amended Report

Report No.: 19-24849-2

Initial Date of Issue: 29-Jul-2019 **Date of Re-Issue:** 14-Aug-2019

Client: SEGI-AT

Client Address: ul. Korkowa 24A
04-502
Warszawa
Poland

Contact(s): Aleksandra Urbaniak-Sloma
Michal Jarosz

Project: Bydgoszcz, Projekt Rdos Zachem

Quotation No.: **Date Received:** 23-Jul-2019

Order No.: **Date Instructed:** 23-Jul-2019

No. of Samples: 11

Turnaround (Wkdays): 13 **Results Due:** 08-Aug-2019

Date Approved: 14-Aug-2019

Approved By:



Details: Martin Dyer, Laboratory Manager

Results - Soil

Client: SEGI-AT	Chemtest Job No.: 19-24849 19-24849 19-24849 19-24849 19-24849 19-24849 19-24849 19-24849 19-24849 19-24849 19-24849													
Quotation No.:	Chemtest Sample ID.: 862818 862819 862820 862821 862822 862823 862824 862825 862826 862827													
	Client Sample ID.: 1 2 3 4 5 6 7 10 11 12													
	Sample Location: O-7/1 O-7/2 O-7/3 O-7/4 O-7/5 O-7/6 O-7/7 O-7/10 O-7/11 O-7/12													
	Sample Type: SOIL SOIL SOIL SOIL SOIL SOIL SOIL SOIL SOIL SOIL SOIL													
	Top Depth (m): 0.25 1.00 3.00 5.00 7.00 9.00 11.00 17.00 19.00 21.00													
	Bottom Depth (m): 1.00 3.00 5.00 7.00 9.00 11.00 13.00 19.00 21.00 23.00													
	Date Sampled: 17-Jul-2019 17-Jul-2019 17-Jul-2019 17-Jul-2019 17-Jul-2019 17-Jul-2019 17-Jul-2019 17-Jul-2019 17-Jul-2019 17-Jul-2019 17-Jul-2019													
Determinand	Accred.	SOP	Units	LOD										
Moisture	N	2030	%	0.020	3.1	2.8	10	14	14	16	13	9.0	14	11
Arsenic	U	2450	mg/kg	1.0	< 1.0	< 1.0	1.1	1.6	< 1.0	2.6	1.2	1.1	< 1.0	1.0
Barium	U	2450	mg/kg	10	< 10	< 10	< 10	< 10	< 10	27	< 10	< 10	< 10	< 10
Cadmium	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cobalt	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	2.7	< 2.0	< 2.0	< 2.0	< 2.0
Chromium	U	2450	mg/kg	1.0	2.5	2.9	3.0	2.9	1.8	7.6	2.0	1.8	< 1.0	1.7
Molybdenum	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Tin	N	2450	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Copper	U	2450	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	2.9	< 0.50	< 0.50	< 0.50	< 0.50
Mercury	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	U	2450	mg/kg	0.50	1.2	1.1	0.96	1.1	1.0	6.7	0.92	1.1	0.51	0.51
Lead	U	2450	mg/kg	0.50	1.6	1.2	1.1	1.1	0.88	3.9	0.82	0.89	0.73	< 0.50
Zinc	U	2450	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	8.6	< 0.50	< 0.50	< 0.50	< 0.50
Total Organic Carbon	U	2625	%	0.20	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	0.51	< 0.20	< 0.20	0.65
Naphthalene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 9 PAH's	U	2700	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Of 16 PAH's	U	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Total BTEX	U	2760	mg/kg	0.010				< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Trichloroethene	N	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Toluene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Tetrachloroethene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Ethylbenzene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Results - Soil

Client: SEGI-AT	Chemtest Job No.: 19-24849 19-24849 19-24849 19-24849 19-24849 19-24849 19-24849 19-24849 19-24849 19-24849 19-24849												
Quotation No.:	Chemtest Sample ID.: 862818 862819 862820 862821 862822 862823 862824 862825 862826 862827												
	Client Sample ID.: 1 2 3 4 5 6 7 10 11 12												
	Sample Location: O-7/1 O-7/2 O-7/3 O-7/4 O-7/5 O-7/6 O-7/7 O-7/10 O-7/11 O-7/12												
	Sample Type: SOIL SOIL SOIL SOIL SOIL SOIL SOIL SOIL SOIL SOIL SOIL												
	Top Depth (m): 0.25 1.00 3.00 5.00 7.00 9.00 11.00 17.00 19.00 21.00												
	Bottom Depth (m): 1.00 3.00 5.00 7.00 9.00 11.00 13.00 19.00 21.00 23.00												
	Date Sampled: 17-Jul-2019 17-Jul-2019 17-Jul-2019 17-Jul-2019 17-Jul-2019 17-Jul-2019 17-Jul-2019 17-Jul-2019 17-Jul-2019 17-Jul-2019 17-Jul-2019												
Determinand	Accred.	SOP	Units	LOD									
m & p-Xylene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
o-Xylene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Styrene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Epichlorohydrin	N	2760	mg/kg	0.010				< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Nitrobenzene	U	2790	mg/kg	0.50				< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloroaniline	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
2-Nitroaniline	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
3-Nitroaniline	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
4-Nitroaniline	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
5-Nitro-o-toluidine	N	2790	mg/kg	0.25				< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
4-tert-Octylphenol	N	2790	mg/kg	5.00				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
o-Toluidine	N	2790	mg/kg	0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Aminobiphenyl	N	2790	mg/kg	0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aniline	N	2790	mg/kg	0.50				< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Diphenylamine	N	2790	mg/kg	0.075				< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075
Resorcinol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Phenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	10	2.0	0.44	< 0.050	< 0.050
Cresols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.082	< 0.050	< 0.050	< 0.050	< 0.050
Xylenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	0.20	0.36	0.28	0.081	< 0.050	< 0.050
1-Naphthol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trimethylphenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	0.10	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Total Phenols	U	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30	0.30	10	2.3	0.52	< 0.30	< 0.30
AOX in Soil	N	1265	mg/kg	0.10				3.0	3.0	2.8	2.0	1.9	3.0
4-Hydroxybiphenyl	N	1790	mg/kg	5.00				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Hydroxybiphenyl	N	1790	mg/kg	5.00				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Diphenyl Sulfone	N	1790	mg/kg	5.00				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Client: SEGI-AT	Chemtest Job No.:		19-24849		
Quotation No.:	Chemtest Sample ID.:		862828		
	Client Sample ID.:		13		
	Sample Location:		O-7/13		
	Sample Type:		SOIL		
	Top Depth (m):		23.00		
	Bottom Depth (m):		24.00		
	Date Sampled:		17-Jul-2019		
Determinand	Accred.	SOP	Units	LOD	
Moisture	N	2030	%	0.020	18
Arsenic	U	2450	mg/kg	1.0	< 1.0
Barium	U	2450	mg/kg	10	< 10
Cadmium	U	2450	mg/kg	0.10	< 0.10
Cobalt	U	2450	mg/kg	2.0	< 2.0
Chromium	U	2450	mg/kg	1.0	1.0
Molybdenum	U	2450	mg/kg	2.0	< 2.0
Tin	N	2450	mg/kg	5.0	< 5.0
Copper	U	2450	mg/kg	0.50	< 0.50
Mercury	U	2450	mg/kg	0.10	< 0.10
Nickel	U	2450	mg/kg	0.50	< 0.50
Lead	U	2450	mg/kg	0.50	< 0.50
Zinc	U	2450	mg/kg	0.50	< 0.50
Total Organic Carbon	U	2625	%	0.20	1.9
Naphthalene	U	2700	mg/kg	0.10	< 0.10
Acenaphthylene	U	2700	mg/kg	0.10	< 0.10
Acenaphthene	U	2700	mg/kg	0.10	< 0.10
Fluorene	U	2700	mg/kg	0.10	< 0.10
Phenanthrene	U	2700	mg/kg	0.10	< 0.10
Anthracene	U	2700	mg/kg	0.10	< 0.10
Fluoranthene	U	2700	mg/kg	0.10	< 0.10
Pyrene	U	2700	mg/kg	0.10	< 0.10
Benzo[a]anthracene	U	2700	mg/kg	0.10	< 0.10
Chrysene	U	2700	mg/kg	0.10	< 0.10
Benzo[b]fluoranthene	U	2700	mg/kg	0.10	< 0.10
Benzo[k]fluoranthene	U	2700	mg/kg	0.10	< 0.10
Benzo[a]pyrene	U	2700	mg/kg	0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	2700	mg/kg	0.10	< 0.10
Dibenz(a,h)Anthracene	U	2700	mg/kg	0.10	< 0.10
Benzo[g,h,i]perylene	U	2700	mg/kg	0.10	< 0.10
Total Of 9 PAH's	U	2700	mg/kg	1.0	< 1.0
Total Of 16 PAH's	U	2700	mg/kg	2.0	< 2.0
Total BTEX	U	2760	mg/kg	0.010	< 0.010
Benzene	U	2760	mg/kg	0.0010	< 0.0010
Trichloroethene	N	2760	mg/kg	0.0010	< 0.0010
Toluene	U	2760	mg/kg	0.0010	< 0.0010
Tetrachloroethene	U	2760	mg/kg	0.0010	< 0.0010
Ethylbenzene	U	2760	mg/kg	0.0010	< 0.0010

Results - Soil

Client: SEGI-AT	Chemtest Job No.: 19-24849				
Quotation No.:	Chemtest Sample ID.: 862828				
	Client Sample ID.: 13				
	Sample Location: O-7/13				
	Sample Type: SOIL				
	Top Depth (m): 23.00				
	Bottom Depth (m): 24.00				
	Date Sampled: 17-Jul-2019				
Determinand	Accred.	SOP	Units	LOD	
m & p-Xylene	U	2760	mg/kg	0.0010	< 0.0010
o-Xylene	U	2760	mg/kg	0.0010	< 0.0010
Styrene	U	2760	mg/kg	0.0010	< 0.0010
Epichlorohydrin	N	2760	mg/kg	0.010	< 0.010
Nitrobenzene	U	2790	mg/kg	0.50	< 0.50
4-Chloroaniline	N	2790	mg/kg	0.050	< 0.050
2-Nitroaniline	N	2790	mg/kg	0.050	< 0.050
3-Nitroaniline	N	2790	mg/kg	0.050	< 0.050
4-Nitroaniline	N	2790	mg/kg	0.050	< 0.050
5-Nitro-o-toluidine	N	2790	mg/kg	0.25	< 0.25
4-tert-Octylphenol	N	2790	mg/kg	5.00	< 5.0
o-Toluidine	N	2790	mg/kg	0.10	< 0.10
4-Aminobiphenyl	N	2790	mg/kg	0.10	< 0.10
Aniline	N	2790	mg/kg	0.50	< 0.50
Diphenylamine	N	2790	mg/kg	0.075	< 0.075
Resorcinol	U	2920	mg/kg	0.050	< 0.050
Phenol	U	2920	mg/kg	0.050	< 0.050
Cresols	U	2920	mg/kg	0.050	1.5
Xylenols	U	2920	mg/kg	0.050	0.44
1-Naphthol	N	2920	mg/kg	0.050	< 0.050
Trimethylphenols	U	2920	mg/kg	0.050	1.2
Total Phenols	U	2920	mg/kg	0.30	3.1
AOX in Soil	N	1265	mg/kg	0.10	1.4
4-Hydroxybiphenyl	N	1790	mg/kg	5.00	< 5.0
2-Hydroxybiphenyl	N	1790	mg/kg	5.00	< 5.0
Diphenyl Sulfone	N	1790	mg/kg	5.00	< 5.0

Report Information

Key

- U UKAS accredited
- M MCERTS and UKAS accredited
- N Unaccredited
- S This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
- SN This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
- T This analysis has been subcontracted to an unaccredited laboratory
- I/S Insufficient Sample
- U/S Unsuitable Sample
- N/E not evaluated
- < "less than"
- > "greater than"

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



SPRAWOZDANIE Z BADAŃ (z naniesionymi zmianami)

Numer sprawozdania:	19-24849-2		
Data wydania:	29-Jul-2019	Data ponownego wydania:	14-Aug-2019
Klient:	SEGI-AT		
Adres klienta:	ul. Korkowa 24A 04-502 Warszawa Poland		
Kontakt/y:	Aleksandra Urbaniak-Sloma Michał Jarosz		
Projekt:	Bydgoszcz, Projekt Rdos Zachem		
Numer oferty:		Data przyjęcia próbek:	23-Jul-2019
Numer wyceny:		Data rejestracji próbek:	23-Jul-2019
Ilość próbek:	11	Termin docelowy:	08-Aug-2019
Czas realizacji zlecenia: (ilość dni roboczych)	13	Termin realizacji zlecenia:	08-Aug-2019
Data zatwierdzenia:	14-Aug-2019		
Zatwierdził:		Tłumaczenie:	
Szczegóły:	Martin Dyer, Laboratory Manager		mgr Michał Jarosz, Account Manager

Wyniki badań gleby/gruntu

Klient: SEGI-AT	Chemtest Job No.:				19-24849	19-24849	19-24849	19-24849	19-24849	19-24849	19-24849	19-24849
Numer oferty:	Chemtest Sample ID.:				862818	862819	862820	862821	862822	862823	862824	862825
	Nr identyfikacyjny próbki:				1	2	3	4	5	6	7	10
	Nr otworu/lokalizacja:				O-7/1	O-7/2	O-7/3	O-7/4	O-7/5	O-7/6	O-7/7	O-7/10
	Matryca:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Głębokość od (m):				0.25	1.00	3.00	5.00	7.00	9.00	11.00	17.00
	Głębokość do (m):				1.00	3.00	5.00	7.00	9.00	11.00	13.00	19.00
	Pobrano przez zleceniodawcę zgodnie z ISO 10381-5				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Data poboru próbek				17-Jul-2019	17-Jul-2019	17-Jul-2019	17-Jul-2019	17-Jul-2019	17-Jul-2019	17-Jul-2019	17-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji								
Wilgotnosc	N	2030	%	0.020	3.1	2.8	10	14	14	16	13	9.0
Arsen	U	2450	mg/kg	1.0	< 1.0	< 1.0	1.1	1.6	< 1.0	2.6	1.2	1.1
Bar	U	2450	mg/kg	10	< 10	< 10	< 10	< 10	< 10	27	< 10	< 10
Kadm	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Kobalt	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	2.7	< 2.0	< 2.0
Chrom	U	2450	mg/kg	1.0	2.5	2.9	3.0	2.9	1.8	7.6	2.0	1.8
Molibden	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Cyna	N	2450	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Miedź	U	2450	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	2.9	< 0.50	< 0.50
Rtec	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nikiel	U	2450	mg/kg	0.50	1.2	1.1	0.96	1.1	1.0	6.7	0.92	1.1
Ółów	U	2450	mg/kg	0.50	1.6	1.2	1.1	1.1	0.88	3.9	0.82	0.89
Cynk	U	2450	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	8.6	< 0.50	< 0.50
Ogólny węgiel organiczny (TOC)	U	2625	%	0.20	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	0.51	< 0.20
Naftalen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaftylen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaften	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fenantren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(a)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chryzen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(b)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(k)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(a)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-cd)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenzo(a,h)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(g,h,i)perylen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Suma WWA (9 związków)	U	2700	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Suma WWA (16 związków)	U	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Suma BTEX	U	2760	mg/kg	0.010				< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzen	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Trichloroeten	N	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Toluen	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Tetrachloroeten	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Wyniki badań gleby/gruntu

Klient: SEGI-AT	Chemtest Job No.:				19-24849	19-24849	19-24849	19-24849	19-24849	19-24849	19-24849	19-24849
Numer oferty:	Chemtest Sample ID.:				862818	862819	862820	862821	862822	862823	862824	862825
	Nr identyfikacyjny próbki:				1	2	3	4	5	6	7	10
	Nr otworu/lokalizacja:				O-7/1	O-7/2	O-7/3	O-7/4	O-7/5	O-7/6	O-7/7	O-7/10
	Matryca:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Głębokość od (m):				0.25	1.00	3.00	5.00	7.00	9.00	11.00	17.00
	Głębokość do (m):				1.00	3.00	5.00	7.00	9.00	11.00	13.00	19.00
	Pobrano przez zleceniodawcę zgodnie z ISO 10381-5				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Data poboru próbki				17-Jul-2019	17-Jul-2019	17-Jul-2019	17-Jul-2019	17-Jul-2019	17-Jul-2019	17-Jul-2019	17-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji								
Etylobenzen	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
m & p-Ksilen	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
o-Ksilen	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Styren	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Epichlorohydryna	N	2760	mg/kg	0.010				< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Nitrobenzen	U	2790	mg/kg	0.50				< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloroanilina	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
2-Nitroanilina	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
3-Nitroanilina	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
4-Nitroanilina	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
5-Nitro-o-toluidyna	N	2790	mg/kg	0.25				< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
4-tert-Oktylofenol	N	2790	mg/kg	5.00				<5.0	<5.0	<5.0	<5.0	<5.0
o-Toluidyna	N	2790	mg/kg	0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Aminobifenyl	N	2790	mg/kg	0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anilina	N	2790	mg/kg	0.50				< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Difenyloamina	N	2790	mg/kg	0.075				< 0.075	< 0.075	< 0.075	< 0.075	< 0.075
Rezorcyna	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Fenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	10	2.0	0.44	< 0.050
Krezole	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.082	< 0.050	< 0.050	< 0.050
Ksylenele	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	0.20	0.36	0.28	0.081	< 0.050
1-Naftol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trimetylofenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	0.10	< 0.050	< 0.050	< 0.050	< 0.050
Fenole suma	U	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30	0.30	10	2.3	0.52	< 0.30
AOX	N	1265	mg/kg	0.10				3.0	3.0	2.8	2.0	1.9
4-Hidroksybifenyl	N	1790	mg/kg	5.00				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Hidroksybifenyl	N	1790	mg/kg	5.00				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Sulfon difenyłowy	N	1790	mg/kg	5.00				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Wyniki badań gleby/gruntu

Klient: SEGI-AT	Chemtest Job No.:				19-24849	19-24849	19-24849
Numer oferty:	Chemtest Sample ID.:				862826	862827	862828
	Nr identyfikacyjny próbki:				11	12	13
	Nr otworu/lokalizacja:				O-7/11	O-7/12	O-7/13
	Matryca:				SOIL	SOIL	SOIL
	Głębokość od (m):				19.00	21.00	23.00
	Głębokość do (m):				21.00	23.00	24.00
	Pobrano przez zleceniodawcę zgodnie z ISO 10381-5				Yes	Yes	Yes
	Data poboru próbki				17-Jul-2019	17-Jul-2019	17-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji			
Wilgotnosc	N	2030	%	0.020	14	11	18
Arsen	U	2450	mg/kg	1.0	< 1.0	1.0	< 1.0
Bar	U	2450	mg/kg	10	< 10	< 10	< 10
Kadm	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Kobalt	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0
Chrom	U	2450	mg/kg	1.0	< 1.0	1.7	1.0
Molibden	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0
Cyna	N	2450	mg/kg	5.0	< 5.0	< 5.0	< 5.0
Miedź	U	2450	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Rtec	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Nikiel	U	2450	mg/kg	0.50	0.51	0.51	< 0.50
Ołów	U	2450	mg/kg	0.50	0.73	< 0.50	< 0.50
Cynk	U	2450	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Ogólny węgiel organiczny (TOC)	U	2625	%	0.20	< 0.20	0.65	1.9
Naftalen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Acenaftylen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Acenaften	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Fluoren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Fenantren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Benzo(a)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Chryzen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Benzo(b)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Benzo(k)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Benzo(a)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-cd)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Dibenzo(a,h)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Benzo(g,h,i)perylen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Suma WWA (9 związków)	U	2700	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Suma WWA (16 związków)	U	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0
Suma BTEX	U	2760	mg/kg	0.010	< 0.010	< 0.010	< 0.010
Benzen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010
Trichloroeten	N	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010
Toluen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010
Tetrachloroeten	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010

Wyniki badań gleby/gruntu

Klient: SEGI-AT	Chemtest Job No.:				19-24849	19-24849	19-24849
Numer oferty:	Chemtest Sample ID.:				862826	862827	862828
	Nr identyfikacyjny próbki:				11	12	13
	Nr otworu/lokalizacja:				O-7/11	O-7/12	O-7/13
	Matryca:				SOIL	SOIL	SOIL
	Głębokość od (m):				19.00	21.00	23.00
	Głębokość do (m):				21.00	23.00	24.00
	Pobrano przez zleceniodawcę zgodnie z ISO 10381-5				Yes	Yes	Yes
	Data poboru próbki				17-Jul-2019	17-Jul-2019	17-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji			
Etylobenzen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010
m & p-Ksilen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010
o-Ksilen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010
Styren	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010
Epichlorohydryna	N	2760	mg/kg	0.010	< 0.010	< 0.010	< 0.010
Nitrobenzen	U	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
4-Chloroanilina	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050
2-Nitroanilina	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050
3-Nitroanilina	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050
4-Nitroanilina	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050
5-Nitro-o-toluidyna	N	2790	mg/kg	0.25	< 0.25	< 0.25	< 0.25
4-tert-Oktylofenol	N	2790	mg/kg	5.00	<5.0	<5.0	<5.0
o-Toluidyna	N	2790	mg/kg	0.10	< 0.10	< 0.10	< 0.10
4-Aminobifenyl	N	2790	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Anilina	N	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Difenyloamina	N	2790	mg/kg	0.075	< 0.075	< 0.075	< 0.075
Rezorcyne	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Fenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Krezole	U	2920	mg/kg	0.050	< 0.050	< 0.050	1.5
Ksylenele	U	2920	mg/kg	0.050	< 0.050	< 0.050	0.44
1-Naftol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Trimetylofenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	1.2
Fenole suma	U	2920	mg/kg	0.30	< 0.30	< 0.30	3.1
AOX	N	1265	mg/kg	0.10	1.6	3.0	1.4
4-Hidroksybifenyl	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0
2-Hidroksybifenyl	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0
Sulfon difenylowy	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0

Dodatkowe informacje/Słownik skrótów**Skróty**

U	Akredytacja UKAS
M	Akredytacja UKAS i MCERTS
N	Brak akredytacji
S	Analiza podzlecona, akredytowana
SN	Analiza podzlecona nieakredytowana, badana w akredytowanym laboratorium
T	Analiza podzlecona, badana w nieakredytowanym laboratorium
I/S	Niewystarczająca ilość materiału badawczego
U/S	Nieodpowiednia próbka
N/E	Nie oceniono
SOP	Standardowa procedura operacyjna
<	Znak < znaczy "mniejszy od"
>	Znak > znaczy "większy od"

Komentarze i interpretacje są poza zakresem akredytacji UKAS

Wyniki w sprawozdaniu dotyczą jedynie badanego obiektu, dostarczonego do laboratorium.

Prezentowanie wyników wraz z wartością niepewności jest możliwe na życzenie klienta

Wyniki badań w niniejszym sprawozdaniu nie zostały skorygowane z wartością niepewności

Wszystkie wyniki są wyrażone w przeliczeniu na suchą masę

Wyniki następujących testów zostały skorygowane do zawartości suchej masy: Węglowodory rop., BTEX, LZO, półlotne związki organiczne, PCB, fenole

Pozostałe badania próbek zostały wykonane na suchej zawartości próbki uprzednio wysuszonej w temperaturze <37°C

Badania azbestu są wykonywane w laboratorium w Coventry.

Numery wydania są ponumerowane kolejno zaczynając od 1.

Skróty przy wyniku dla próbek, które mogły utracić stabilność

- A - Nie podano daty poboru próbki
- B - Próbka, która mogła utracić stabilność w wyniku zbyt długiego przechowywania
- C - Próbka dostarczona w nieodpowiednim pojemniku.
- D - Uszkodzone opakowanie
- E - Niewystarczająca ilość próbki

Przechowywanie oraz utylizacja

Wszystkie próbki gleby/gruntu otrzymane przez nasze laboratorium będą magazynowane przez okres 45 dni

Wszystkie próbki wody otrzymane przez nasze laboratorium będą magazynowane przez okres 14 dni



W przypadku wydłużenia czasu magazynowania próbek na prośbę klienta, może zostać naliczona dodatkowa opłata

Jeżeli mają Państwo jakiegokolwiek pytania prosimy o kontakt z obsługą klienta

customerservices@chemtest.com



Amended Report

Report No.:	19-24857-2		
Initial Date of Issue:	29-Jul-2019	Date of Re-Issue:	14-Aug-2019
Client	SEGI-AT		
Client Address:	ul. Korkowa 24A 04-502 Warszawa Poland		
Contact(s):	Aleksandra Urbaniak-Sloma Michal Jarosz		
Project	Bydgoszcz, Projekt Rdos Zachem		
Quotation No.:		Date Received:	23-Jul-2019
Order No.:		Date Instructed:	23-Jul-2019
No. of Samples:	8		
Turnaround (Wkdays):	13	Results Due:	08-Aug-2019
Date Approved:	14-Aug-2019		
Approved By:	 		
Details:	Martin Dyer, Laboratory Manager Robert Monk, Technical Manager		

Results - Soil

Client: SEGI-AT	Chemtest Job No.: 19-24857											
Quotation No.:	Chemtest Sample ID.: 862929											
	Client Sample ID.: 1											
	Sample Location: O-8/1											
	Sample Type: SOIL											
	Top Depth (m): 0.25											
	Bottom Depth (m): 1.00											
	Date Sampled: 19-Jul-2019											
Determinand	Accred.	SOP	Units	LOD								
Moisture	N	2030	%	0.020	1.7	3.6	3.2	3.6	10	16	17	14
Arsenic	U	2450	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Barium	U	2450	mg/kg	10	10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Cadmium	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cobalt	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chromium	U	2450	mg/kg	1.0	2.8	1.8	3.1	2.6	2.2	1.6	3.0	2.0
Molybdenum	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Tin	N	2450	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Copper	U	2450	mg/kg	0.50	0.88	< 0.50	0.51	< 0.50	< 0.50	< 0.50	2.2	0.61
Mercury	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	U	2450	mg/kg	0.50	1.9	1.3	1.4	1.1	1.1	0.78	2.9	1.4
Lead	U	2450	mg/kg	0.50	2.5	1.1	1.2	0.92	0.92	0.71	1.5	1.0
Zinc	U	2450	mg/kg	0.50	1.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Total Organic Carbon	U	2625	%	0.20	0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Naphthalene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 9 PAH's	U	2700	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Of 16 PAH's	U	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Total BTEX	U	2760	mg/kg	0.010					< 0.010	< 0.010	< 0.010	< 0.010
Benzene	U	2760	mg/kg	0.0010					< 0.0010	< 0.0010	< 0.0010	< 0.0010
Trichloroethene	N	2760	mg/kg	0.0010					< 0.0010	< 0.0010	< 0.0010	< 0.0010
Toluene	U	2760	mg/kg	0.0010					< 0.0010	< 0.0010	< 0.0010	< 0.0010
Tetrachloroethene	U	2760	mg/kg	0.0010					< 0.0010	< 0.0010	< 0.0010	< 0.0010
Ethylbenzene	U	2760	mg/kg	0.0010					< 0.0010	< 0.0010	< 0.0010	< 0.0010

Results - Soil

Client: SEGI-AT	Chemtest Job No.: 19-24857										
Quotation No.:	Chemtest Sample ID.: 862929										
	Client Sample ID.:		1	2	3	4	5	6	7	8	
	Sample Location:		O-8/1	O-8/2	O-8/3	O-8/4	O-8/5	O-8/6	O-8/7	O-8/8	
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
	Top Depth (m):		0.25	1.00	3.00	5.00	7.00	9.00	11.00	13.00	
	Bottom Depth (m):		1.00	3.00	5.00	7.00	9.00	11.00	13.00	15.00	
	Date Sampled:		19-Jul-2019	19-Jul-2019	19-Jul-2019	19-Jul-2019	19-Jul-2019	19-Jul-2019	19-Jul-2019	19-Jul-2019	
Determinand	Accred.	SOP	Units	LOD							
m & p-Xylene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010
o-Xylene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010
Styrene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010
Epichlorohydrin	N	2760	mg/kg	0.010				< 0.010	< 0.010	< 0.010	< 0.010
Nitrobenzene	U	2790	mg/kg	0.50				< 0.50	< 0.50	< 0.50	< 0.50
4-Chloroaniline	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050
2-Nitroaniline	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050
3-Nitroaniline	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050
4-Nitroaniline	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050
5-Nitro-o-toluidine	N	2790	mg/kg	0.25				< 0.25	< 0.25	< 0.25	< 0.25
4-tert-Octylphenol	N	2790	mg/kg	5.00				<5.0	<5.0	<5.0	<5.0
o-Toluidine	N	2790	mg/kg	0.10				< 0.10	< 0.10	< 0.10	< 0.10
4-Aminobiphenyl	N	2790	mg/kg	0.10				< 0.10	< 0.10	< 0.10	< 0.10
Aniline	N	2790	mg/kg	0.50				< 0.50	< 0.50	< 0.50	< 0.50
Diphenylamine	N	2790	mg/kg	0.075				< 0.075	< 0.075	< 0.075	< 0.075
Resorcinol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Phenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	7.6	85
Cresols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.060	0.27
Xylenols	U	2920	mg/kg	0.050	0.30	< 0.050	< 0.050	< 0.050	< 0.050	0.36	2.9
1-Naphthol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trimethylphenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Total Phenols	U	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	8.0	88
AOX in Soil	N	1265	mg/kg	0.10				2.2	1.6	1.9	1.5
4-Hydroxybiphenyl	N	1790	mg/kg	5.00				< 5.0	< 5.0	< 5.0	< 5.0
2-Hydroxybiphenyl	N	1790	mg/kg	5.00				< 5.0	< 5.0	< 5.0	< 5.0
Diphenyl Sulfone	N	1790	mg/kg	5.00				< 5.0	< 5.0	< 5.0	< 5.0

Report Information

Key

- U UKAS accredited
- M MCERTS and UKAS accredited
- N Unaccredited
- S This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
- SN This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
- T This analysis has been subcontracted to an unaccredited laboratory
- I/S Insufficient Sample
- U/S Unsuitable Sample
- N/E not evaluated
- < "less than"
- > "greater than"

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



SPRAWOZDANIE Z BADAŃ (z naniesionymi zmianami)

Numer sprawozdania: 19-24857-2

Data wydania: 29-Jul-2019 **Data ponownego wydania:** 14-Aug-2019

Klient: SEGI-AT

Adres klienta: ul. Korkowa 24A
04-502
Warszawa
Poland

Kontakt/y: Aleksandra Urbaniak-Sloma
Michał Jarosz

Projekt: Bydgoszcz, Projekt Rdos Zachem




Numer oferty: **Data przyjęcia próbek:** 23-Jul-2019

Numer wyceny: **Data rejestracji próbek:** 23-Jul-2019

Ilość próbek: 8 **Termin docelowy:** 08-Aug-2019

Czas realizacji zlecenia: 13 **Termin realizacji zlecenia:** 08-Aug-2019
(ilość dni roboczych)

Data zatwierdzenia: 14-Aug-2019

Zatwierdził:   **Tłumaczenie:** 

Szczegóły: Martin Dyer, Laboratory Manager
Robert Monk, Technical Manager mgr Michał Jarosz, Account Manager

Wyniki badań gleby/gruntu

Klient: SEGI-AT	Chemtest Job No.:				19-24857	19-24857	19-24857	19-24857	19-24857	19-24857	19-24857	19-24857
Numer oferty:	Chemtest Sample ID.:				862929	862930	862931	862932	862933	862934	862935	862936
	Nr identyfikacyjny próbki:				1	2	3	4	5	6	7	8
	Nr otworu/lokalizacja:				O-8/1	O-8/2	O-8/3	O-8/4	O-8/5	O-8/6	O-8/7	O-8/8
	Matryca:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Głębokość od (m):				0.25	1.00	3.00	5.00	7.00	9.00	11.00	13.00
	Głębokość do (m):				1.00	3.00	5.00	7.00	9.00	11.00	13.00	15.00
	Pobrano przez zleceniodawcę zgodnie z ISO 10381-5				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Data poboru próbki				19-Jul-2019	19-Jul-2019	19-Jul-2019	19-Jul-2019	19-Jul-2019	19-Jul-2019	19-Jul-2019	19-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji								
Wilgotnosc	N	2030	%	0.020	1.7	3.6	3.2	3.6	10	16	17	14
Arsen	U	2450	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bar	U	2450	mg/kg	10	10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Kadm	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Kobalt	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chrom	U	2450	mg/kg	1.0	2.8	1.8	3.1	2.6	2.2	1.6	3.0	2.0
Molibden	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Cyna	N	2450	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Miedz	U	2450	mg/kg	0.50	0.88	< 0.50	0.51	< 0.50	< 0.50	< 0.50	2.2	0.61
Rtec	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nikiel	U	2450	mg/kg	0.50	1.9	1.3	1.4	1.1	1.1	0.78	2.9	1.4
Ółów	U	2450	mg/kg	0.50	2.5	1.1	1.2	0.92	0.92	0.71	1.5	1.0
Cynk	U	2450	mg/kg	0.50	1.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Ogólny węgiel organiczny (TOC)	U	2625	%	0.20	0.21	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Naftalen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaftylen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaften	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fenantren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(a)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chryzen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(b)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(k)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(a)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-cd)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenzo(a,h)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(g,h,i)perylen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Suma WWA (9 związków)	U	2700	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Suma WWA (16 związków)	U	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Suma BTEX	U	2760	mg/kg	0.010					< 0.010	< 0.010	< 0.010	< 0.010
Benzen	U	2760	mg/kg	0.0010					< 0.0010	< 0.0010	< 0.0010	< 0.0010
Trichloroeten	N	2760	mg/kg	0.0010					< 0.0010	< 0.0010	< 0.0010	< 0.0010
Toluen	U	2760	mg/kg	0.0010					< 0.0010	< 0.0010	< 0.0010	< 0.0010
Tetrachloroeten	U	2760	mg/kg	0.0010					< 0.0010	< 0.0010	< 0.0010	< 0.0010

Wyniki badań gleby/gruntu

Klient: SEGI-AT	Chemtest Job No.:				19-24857	19-24857	19-24857	19-24857	19-24857	19-24857	19-24857	19-24857
Numer oferty:	Chemtest Sample ID.:				862929	862930	862931	862932	862933	862934	862935	862936
	Nr identyfikacyjny próbki:				1	2	3	4	5	6	7	8
	Nr otworu/lokalizacja:				O-8/1	O-8/2	O-8/3	O-8/4	O-8/5	O-8/6	O-8/7	O-8/8
	Matryca:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Głębokość od (m):				0.25	1.00	3.00	5.00	7.00	9.00	11.00	13.00
	Głębokość do (m):				1.00	3.00	5.00	7.00	9.00	11.00	13.00	15.00
	Pobrano przez zleceniodawcę zgodnie z ISO 10381-5				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Data poboru próbki				19-Jul-2019	19-Jul-2019	19-Jul-2019	19-Jul-2019	19-Jul-2019	19-Jul-2019	19-Jul-2019	19-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji								
Etylobenzen	U	2760	mg/kg	0.0010					< 0.0010	< 0.0010	< 0.0010	< 0.0010
m & p-Ksilen	U	2760	mg/kg	0.0010					< 0.0010	< 0.0010	< 0.0010	< 0.0010
o-Ksilen	U	2760	mg/kg	0.0010					< 0.0010	< 0.0010	< 0.0010	< 0.0010
Styren	U	2760	mg/kg	0.0010					< 0.0010	< 0.0010	< 0.0010	< 0.0010
Epichlorohydryna	N	2760	mg/kg	0.010					< 0.010	< 0.010	< 0.010	< 0.010
Nitrobenzen	U	2790	mg/kg	0.50					< 0.50	< 0.50	< 0.50	< 0.50
4-Chloroanilina	N	2790	mg/kg	0.050					< 0.050	< 0.050	< 0.050	< 0.050
2-Nitroanilina	N	2790	mg/kg	0.050					< 0.050	< 0.050	< 0.050	< 0.050
3-Nitroanilina	N	2790	mg/kg	0.050					< 0.050	< 0.050	< 0.050	< 0.050
4-Nitroanilina	N	2790	mg/kg	0.050					< 0.050	< 0.050	< 0.050	< 0.050
5-Nitro-o-toluidyna	N	2790	mg/kg	0.25					< 0.25	< 0.25	< 0.25	< 0.25
4-tert-Oktylofenol	N	2790	mg/kg	5.00					<5.0	<5.0	<5.0	<5.0
o-Toluidyna	N	2790	mg/kg	0.10					< 0.10	< 0.10	< 0.10	< 0.10
4-Aminobifenyl	N	2790	mg/kg	0.10					< 0.10	< 0.10	< 0.10	< 0.10
Anilina	N	2790	mg/kg	0.50					< 0.50	< 0.50	< 0.50	< 0.50
Difenyloamina	N	2790	mg/kg	0.075					< 0.075	< 0.075	< 0.075	< 0.075
Rezorcyna	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Fenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	7.6	85
Krezole	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.060	0.27
Ksylenele	U	2920	mg/kg	0.050	0.30	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.36	2.9
1-Naftol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trimetylofenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Fenole suma	U	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	8.0	88
AOX	N	1265	mg/kg	0.10					2.2	1.6	1.9	1.5
4-Hidroksybifenyl	N	1790	mg/kg	5.00					< 5.0	< 5.0	< 5.0	< 5.0
2-Hidroksybifenyl	N	1790	mg/kg	5.00					< 5.0	< 5.0	< 5.0	< 5.0
Sulfon difenyłowy	N	1790	mg/kg	5.00					< 5.0	< 5.0	< 5.0	< 5.0

Dodatkowe informacje/Słownik skrótów**Skróty**

U	Akredytacja UKAS
M	Akredytacja UKAS i MCERTS
N	Brak akredytacji
S	Analiza podzlecona, akredytowana
SN	Analiza podzlecona nieakredytowana, badana w akredytowanym laboratorium
T	Analiza podzlecona, badana w nieakredytowanym laboratorium
I/S	Niewystarczająca ilość materiału badawczego
U/S	Nieodpowiednia próbka
N/E	Nie oceniono
SOP	Standardowa procedura operacyjna
<	Znak < znaczy "mniejszy od"
>	Znak > znaczy "większy od"

Komentarze i interpretacje są poza zakresem akredytacji UKAS

Wyniki w sprawozdaniu dotyczą jedynie badanego obiektu, dostarczonego do laboratorium.

Prezentowanie wyników wraz z wartością niepewności jest możliwe na życzenie klienta

Wyniki badań w niniejszym sprawozdaniu nie zostały skorygowane z wartością niepewności

Wszystkie wyniki są wyrażone w przeliczeniu na suchą masę

Wyniki następujących testów zostały skorygowane do zawartości suchej masy: Węglowodory rop., BTEX, LZO, półlotne związki organiczne, PCB, fenole

Pozostałe badania próbek zostały wykonane na suchej zawartości próbki uprzednio wysuszonej w temperaturze <37°C

Badania azbestu są wykonywane w laboratorium w Coventry.

Numery wydania są ponumerowane kolejno zaczynając od 1.

Skróty przy wyniku dla próbek, które mogły utracić stabilność

- A - Nie podano daty poboru próbki
- B - Próbka, która mogła utracić stabilność w wyniku zbyt długiego przechowywania
- C - Próbka dostarczona w nieodpowiednim pojemniku.
- D - Uszkodzone opakowanie
- E - Niewystarczająca ilość próbki

Przechowywanie oraz utylizacja

Wszystkie próbki gleby/gruntu otrzymane przez nasze laboratorium będą magazynowane przez okres 45 dni

Wszystkie próbki wody otrzymane przez nasze laboratorium będą magazynowane przez okres 14 dni

W przypadku wydłużenia czasu magazynowania próbek na prośbę klienta, może zostać naliczona dodatkowa opłata

Jeżeli mają Państwo jakiegokolwiek pytania prosimy o kontakt z obsługą klienta

customerservices@chemtest.com



Final Report

Report No.: 19-25421-1

Initial Date of Issue: 18-Aug-2019

Client SEGI-AT

Client Address: ul. Korkowa 24A
04-502
Warszawa
Poland

Contact(s): Aleksandra Urbaniak-Sloma
Michal Jarosz

Project BYDGOSZCZ, PROJEKT RDOS
ZACHEM

Quotation No.:	Date Received:	29-Jul-2019
Order No.:	Date Instructed:	29-Jul-2019
No. of Samples: 4		
Turnaround (Wkdays): 9	Results Due:	08-Aug-2019
Date Approved: 18-Aug-2019		

Approved By:



Details: Ken Scally, Technical Director

Client: SEGI-AT	Chemtest Job No.:				19-25421	19-25421	19-25421	19-25421
Quotation No.:	Chemtest Sample ID.:				865146	865147	865148	865149
	Client Sample ID.:				9	10	11	12
	Sample Location:				O-8/9	O-8/10	O-8/11	O-8/12
	Sample Type:				SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				15.00	17.00	19.00	21.00
	Bottom Depth (m):				17.00	19.00	21.00	23.00
	Date Sampled:				22-Jul-2019	22-Jul-2019	22-Jul-2019	22-Jul-2019
Determinand	Accred.	SOP	Units	LOD				
Moisture	N	2030	%	0.020	16	12	14	15
Arsenic	U	2450	mg/kg	1.0	1.9	2.2	2.9	3.7
Barium	U	2450	mg/kg	10	11	11	< 10	11
Cadmium	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cobalt	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chromium	U	2450	mg/kg	1.0	5.7	2.9	3.9	5.2
Molybdenum	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0
Tin	N	2450	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0
Copper	U	2450	mg/kg	0.50	2.9	1.6	2.6	4.7
Mercury	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	U	2450	mg/kg	0.50	3.8	2.9	3.7	5.1
Lead	U	2450	mg/kg	0.50	1.9	1.3	1.7	2.6
Zinc	U	2450	mg/kg	0.50	6.7	5.1	6.2	8.1
Total Organic Carbon	U	2625	%	0.20	< 0.20	< 0.20	< 0.20	< 0.20
Naphthalene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 9 PAH's	U	2700	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Of 16 PAH's	U	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0
Total BTEX	U	2760	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Trichloroethene	N	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Toluene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Tetrachloroethene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Ethylbenzene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Client: SEGI-AT	Chemtest Job No.:				19-25421	19-25421	19-25421	19-25421
Quotation No.:	Chemtest Sample ID.:				865146	865147	865148	865149
	Client Sample ID.:				9	10	11	12
	Sample Location:				O-8/9	O-8/10	O-8/11	O-8/12
	Sample Type:				SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				15.00	17.00	19.00	21.00
	Bottom Depth (m):				17.00	19.00	21.00	23.00
	Date Sampled:				22-Jul-2019	22-Jul-2019	22-Jul-2019	22-Jul-2019
Determinand	Accred.	SOP	Units	LOD				
m & p-Xylene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
o-Xylene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Styrene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Epichlorohydrin	N	2760	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010
Nitrobenzene	U	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloroaniline	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
2-Nitroaniline	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
3-Nitroaniline	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
4-Nitroaniline	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
5-Nitro-o-toluidine	N	2790	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25
4-tert-Octylphenol	N	2790	mg/kg	5.00	<5.0	<5.0	<5.0	<5.0
o-Toluidine	N	2790	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Aminobiphenyl	N	2790	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aniline	N	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Diphenylamine	N	2790	mg/kg	0.075	< 0.075	< 0.075	< 0.075	< 0.075
Resorcinol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
Phenol	U	2920	mg/kg	0.050	32	12	6.1	12
Cresols	U	2920	mg/kg	0.050	< 0.050	< 0.050	16	< 0.050
Xylenols	U	2920	mg/kg	0.050	1.3	0.44	1.0	0.72
1-Naphthol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trimethylphenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
Total Phenols	U	2920	mg/kg	0.30	33	13	23	< 0.30
AOX in Soil	N	1265	mg/kg	0.10	1.3	2.2	2.2	2.4
4-Hydroxybiphenyl	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0	< 5.0
2-Hydroxybiphenyl	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0	< 5.0
Diphenyl Sulfone	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0	< 5.0

Report Information

Key

- U UKAS accredited
- M MCERTS and UKAS accredited
- N Unaccredited
- S This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
- SN This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
- T This analysis has been subcontracted to an unaccredited laboratory
- I/S Insufficient Sample
- U/S Unsuitable Sample
- N/E not evaluated
- < "less than"
- > "greater than"

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



SPRAWOZDANIE Z BADAŃ

Numer sprawozdania: 19-25421-1

Data wydania: 18-Aug-2019

Klient: SEGI-AT

Adres klienta: ul. Korkowa 24A
04-502
Warszawa
Poland

Kontakt/y: Aleksandra Urbaniak-Sloma
Michał Jarosz

Projekt: BYDGOSZCZ, PROJEKT RDOS
ZACHEM

Numer oferty:		Data przyjęcia próbek:	29-Jul-2019
Numer wyceny:		Data rejestracji próbek:	29-Jul-2019
Ilość próbek:	4	Termin docelowy:	08-Aug-2019
Czas realizacji zlecenia: (ilość dni roboczych)	9	Termin realizacji zlecenia:	08-Aug-2019
Data zatwierdzenia:	18-Aug-2019		

Zatwierdził:

Szczegóły: Ken Scally, Technical Director

Tłumaczenie:

mgr Michał Jarosz, Account Manager

Wyniki badań gleby/gruntu

Klient: SEGI-AT	Chemtest Job No.:				19-25421	19-25421	19-25421	19-25421
Numer oferty:	Chemtest Sample ID.:				865146	865147	865148	865149
	Nr identyfikacyjny próbki:				9	10	11	12
	Nr otworu/lokalizacja:				O-8/9	O-8/10	O-8/11	O-8/12
	Matryca:				SOIL	SOIL	SOIL	SOIL
	Głębokość od (m):				15.00	17.00	19.00	21.00
	Głębokość do (m):				17.00	19.00	21.00	23.00
	Pobrano przez zleceniodawcę zgodnie z ISO 10381-5				Yes	Yes	Yes	Yes
	Data poboru próbek				22-Jul-2019	22-Jul-2019	22-Jul-2019	22-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji				
Wilgotnosc	N	2030	%	0.020	16	12	14	15
Arsen	U	2450	mg/kg	1.0	1.9	2.2	2.9	3.7
Bar	U	2450	mg/kg	10	11	11	< 10	11
Kadm	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Kobalt	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chrom	U	2450	mg/kg	1.0	5.7	2.9	3.9	5.2
Molibden	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0
Cyna	N	2450	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0
Miedź	U	2450	mg/kg	0.50	2.9	1.6	2.6	4.7
Rtec	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nikiel	U	2450	mg/kg	0.50	3.8	2.9	3.7	5.1
Ółów	U	2450	mg/kg	0.50	1.9	1.3	1.7	2.6
Cynk	U	2450	mg/kg	0.50	6.7	5.1	6.2	8.1
Ogólny węgiel organiczny (TOC)	U	2625	%	0.20	< 0.20	< 0.20	< 0.20	< 0.20
Naftalen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaftylen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaften	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fenantren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(a)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chryzen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(b)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(k)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(a)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-cd)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenzo(a,h)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(g,h,i)perylen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Suma WWA (9 związków)	U	2700	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Suma WWA (16 związków)	U	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0
Suma BTEX	U	2760	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Trichloroeten	N	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Toluen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Tetrachloroeten	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Wyniki badań gleby/gruntu

Klient: SEGI-AT	Chemtest Job No.:				19-25421	19-25421	19-25421	19-25421
Numer oferty:	Chemtest Sample ID.:				865146	865147	865148	865149
	Nr identyfikacyjny próbki:				9	10	11	12
	Nr otworu/lokalizacja:				O-8/9	O-8/10	O-8/11	O-8/12
	Matryca:				SOIL	SOIL	SOIL	SOIL
	Głębokość od (m):				15.00	17.00	19.00	21.00
	Głębokość do (m):				17.00	19.00	21.00	23.00
	Pobrano przez zleceniodawcę zgodnie z ISO 10381-5				Yes	Yes	Yes	Yes
	Data poboru próbki				22-Jul-2019	22-Jul-2019	22-Jul-2019	22-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji				
Etylobenzen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
m & p-Ksilen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
o-Ksilen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Styren	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Epichlorohydryna	N	2760	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010
Nitrobenzen	U	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloroanilina	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
2-Nitroanilina	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
3-Nitroanilina	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
4-Nitroanilina	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
5-Nitro-o-toluidyna	N	2790	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25
4-tert-Oktylofenol	N	2790	mg/kg	5.00	<5.0	<5.0	<5.0	<5.0
o-Toluidyna	N	2790	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Aminobifenyl	N	2790	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anilina	N	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Difenyloamina	N	2790	mg/kg	0.075	< 0.075	< 0.075	< 0.075	< 0.075
Rezorcylna	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
Fenol	U	2920	mg/kg	0.050	32	12	6.1	12
Krezole	U	2920	mg/kg	0.050	< 0.050	< 0.050	16	< 0.050
Ksylenele	U	2920	mg/kg	0.050	1.3	0.44	1.0	0.72
1-Naftol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trimetylofenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
Fenole suma	U	2920	mg/kg	0.30	33	13	23	< 0.30
AOX	N	1265	mg/kg	0.10	1.3	2.2	2.2	2.4
4-Hydroksybifenyl	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0	< 5.0
2-Hydroksybifenyl	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0	< 5.0
Sulfon difenyłowy	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0	< 5.0

Dodatkowe informacje/Słownik skrótów**Skróty**

U	Akredytacja UKAS
M	Akredytacja UKAS i MCERTS
N	Brak akredytacji
S	Analiza podzlecona, akredytowana
SN	Analiza podzlecona nieakredytowana, badana w akredytowanym laboratorium
T	Analiza podzlecona, badana w nieakredytowanym laboratorium
I/S	Niewystarczająca ilość materiału badawczego
U/S	Nieodpowiednia próbka
N/E	Nie oceniono
SOP	Standardowa procedura operacyjna
<	Znak < znaczy "mniejszy od"
>	Znak > znaczy "większy od"

Komentarze i interpretacje są poza zakresem akredytacji UKAS

Wyniki w sprawozdaniu dotyczą jedynie badanego obiektu, dostarczonego do laboratorium.

Prezentowanie wyników wraz z wartością niepewności jest możliwe na życzenie klienta

Wyniki badań w niniejszym sprawozdaniu nie zostały skorygowane z wartością niepewności

Wszystkie wyniki są wyrażone w przeliczeniu na suchą masę

Wyniki następujących testów zostały skorygowane do zawartości suchej masy: Węglowodory rop., BTEX, LZO, półlotne związki organiczne, PCB, fenole

Pozostałe badania próbek zostały wykonane na suchej zawartości próbki uprzednio wysuszonej w temperaturze <37°C

Badania azbestu są wykonywane w laboratorium w Coventry.

Numery wydania są ponumerowane kolejno zaczynając od 1.

Skróty przy wyniku dla próbek, które mogły utracić stabilność

- A - Nie podano daty poboru próbki
- B - Próbka, która mogła utracić stabilność w wyniku zbyt długiego przechowywania
- C - Próbka dostarczona w nieodpowiednim pojemniku.
- D - Uszkodzone opakowanie
- E - Niewystarczająca ilość próbki

Przechowywanie oraz utylizacja

Wszystkie próbki gleby/gruntu otrzymane przez nasze laboratorium będą magazynowane przez okres 45 dni

Wszystkie próbki wody otrzymane przez nasze laboratorium będą magazynowane przez okres 14 dni

W przypadku wydłużenia czasu magazynowania próbek na prośbę klienta, może zostać naliczona dodatkowa opłata

Jeżeli mają Państwo jakiegokolwiek pytania prosimy o kontakt z obsługą klienta

customerservices@chemtest.com



Final Report

Report No.: 19-25426-1

Initial Date of Issue: 18-Aug-2019

Client SEGI-AT

Client Address: ul. Korkowa 24A
04-502
Warszawa
Poland

Contact(s): Aleksandra Urbaniak-Sloma
Michal Jarosz

Project BYDGOSZCZ, PROJEKT RDOS
ZACHEM

Quotation No.:	Date Received:	29-Jul-2019
Order No.:	Date Instructed:	29-Jul-2019
No. of Samples:		9
Turnaround (Wkdays):	Results Due:	08-Aug-2019
Date Approved:		18-Aug-2019

Approved By:



Details: Ken Scally, Technical Director

Results - Soil

Client: SEGI-AT	Chemtest Job No.:				19-25426	19-25426	19-25426	19-25426	19-25426	19-25426	19-25426	19-25426	19-25426
Quotation No.:	Chemtest Sample ID.:				865155	865156	865157	865158	865159	865160	865161	865162	865163
	Client Sample ID.:				1	2	3	4	5	6	7	8	9
	Sample Location:				O-9/1	O-9/2	O-9/3	O-9/4	O-9/5	O-9/6	O-9/7	O-9/8	O-9/9
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.25	1.00	3.00	5.00	7.00	9.00	11.00	13.00	15.00
	Bottom Depth (m):				1.00	3.00	5.00	7.00	9.00	11.00	13.00	15.00	17.00
	Date Sampled:				23-Jul-2019	23-Jul-2019	23-Jul-2019	23-Jul-2019	23-Jul-2019	23-Jul-2019	23-Jul-2019	23-Jul-2019	23-Jul-2019
Determinand	Accred.	SOP	Units	LOD									
Moisture	N	2030	%	0.020	1.9	5.9	14	15	16	16	14	13	18
Arsenic	U	2450	mg/kg	1.0	< 1.0	< 1.0	1.2	1.7	2.1	1.5	1.7	4.1	5.5
Barium	U	2450	mg/kg	10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	17	15
Cadmium	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cobalt	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	2.0
Chromium	U	2450	mg/kg	1.0	2.6	3.5	2.6	2.2	2.4	2.1	2.1	3.5	6.1
Molybdenum	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Tin	N	2450	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Copper	U	2450	mg/kg	0.50	0.55	0.56	0.68	0.63	0.93	0.60	< 0.50	2.0	2.8
Mercury	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	U	2450	mg/kg	0.50	1.7	1.4	1.3	1.4	1.6	1.2	0.96	4.3	6.4
Lead	U	2450	mg/kg	0.50	1.4	1.4	1.3	1.1	2.5	0.80	0.74	2.6	3.7
Zinc	U	2450	mg/kg	0.50	3.1	3.1	3.4	3.3	5.1	2.8	3.2	7.5	10
Total Organic Carbon	U	2625	%	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	0.22	0.37
Naphthalene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.18	< 0.10
Acenaphthylene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.99	< 0.10
Acenaphthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.17	< 0.10
Fluorene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.37	< 0.10
Phenanthrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.7	< 0.10
Anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.32	< 0.10
Fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.86	< 0.10
Pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.2	< 0.10
Benzo[a]anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.38	< 0.10
Chrysene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.29	< 0.10
Benzo[b]fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.42	< 0.10
Benzo[k]fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.16	< 0.10
Benzo[a]pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.39	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.18	< 0.10
Dibenz(a,h)Anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.33	< 0.10
Benzo[g,h,i]perylene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.27	< 0.10
Total Of 9 PAH's	U	2700	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	4.8	< 1.0
Total Of 16 PAH's	U	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	8.2	< 2.0
Total BTEX	U	2760	mg/kg	0.010			< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzene	U	2760	mg/kg	0.0010			< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Trichloroethene	N	2760	mg/kg	0.0010			< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Toluene	U	2760	mg/kg	0.0010			< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Tetrachloroethene	U	2760	mg/kg	0.0010			< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Ethylbenzene	U	2760	mg/kg	0.0010			< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Results - Soil

Client: SEGI-AT	Chemtest Job No.:				19-25426	19-25426	19-25426	19-25426	19-25426	19-25426	19-25426	19-25426	
Quotation No.:	Chemtest Sample ID.:				865155	865156	865157	865158	865159	865160	865161	865162	865163
	Client Sample ID.:				1	2	3	4	5	6	7	8	9
	Sample Location:				O-9/1	O-9/2	O-9/3	O-9/4	O-9/5	O-9/6	O-9/7	O-9/8	O-9/9
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.25	1.00	3.00	5.00	7.00	9.00	11.00	13.00	15.00
	Bottom Depth (m):				1.00	3.00	5.00	7.00	9.00	11.00	13.00	15.00	17.00
	Date Sampled:				23-Jul-2019	23-Jul-2019	23-Jul-2019	23-Jul-2019	23-Jul-2019	23-Jul-2019	23-Jul-2019	23-Jul-2019	23-Jul-2019
Determinand	Accred.	SOP	Units	LOD									
m & p-Xylene	U	2760	mg/kg	0.0010			< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
o-Xylene	U	2760	mg/kg	0.0010			< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Styrene	U	2760	mg/kg	0.0010			< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Epichlorohydrin	N	2760	mg/kg	0.010			< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Nitrobenzene	U	2790	mg/kg	0.50			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloroaniline	N	2790	mg/kg	0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
2-Nitroaniline	N	2790	mg/kg	0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
3-Nitroaniline	N	2790	mg/kg	0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
4-Nitroaniline	N	2790	mg/kg	0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
5-Nitro-o-toluidine	N	2790	mg/kg	0.25			< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
4-tert-Octylphenol	N	2790	mg/kg	5.00			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
o-Toluidine	N	2790	mg/kg	0.10			< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Aminobiphenyl	N	2790	mg/kg	0.10			< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aniline	N	2790	mg/kg	0.50			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Diphenylamine	N	2790	mg/kg	0.075			< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075
Resorcinol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Phenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Cresols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Xylenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1-Naphthol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trimethylphenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Total Phenols	U	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
AOX in Soil	N	1265	mg/kg	0.10			1.7	1.5	1.6	1.5	1.5	1.0	1.6
4-Hydroxybiphenyl	N	1790	mg/kg	5.00			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Hydroxybiphenyl	N	1790	mg/kg	5.00			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Diphenyl Sulfone	N	1790	mg/kg	5.00			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Report Information

Key

- U UKAS accredited
- M MCERTS and UKAS accredited
- N Unaccredited
- S This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
- SN This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
- T This analysis has been subcontracted to an unaccredited laboratory
- I/S Insufficient Sample
- U/S Unsuitable Sample
- N/E not evaluated
- < "less than"
- > "greater than"

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



SPRAWOZDANIE Z BADAŃ

Numer sprawozdania: 19-25426-1

Data wydania: 18-Aug-2019

Klient: SEGI-AT

Adres klienta: ul. Korkowa 24A
04-502
Warszawa
Poland

Kontakt/y: Aleksandra Urbaniak-Sloma
Michał Jarosz

Projekt: BYDGOSZCZ, PROJEKT RDOS
ZACHEM

Numer oferty:		Data przyjęcia próbek:	29-Jul-2019
Numer wyceny:		Data rejestracji próbek:	29-Jul-2019
Ilość próbek:	9	Termin docelowy:	08-Aug-2019
Czas realizacji zlecenia: (ilość dni roboczych)	9	Termin realizacji zlecenia:	08-Aug-2019
Data zatwierdzenia:	18-Aug-2019		

Zatwierdził:

Szczegóły: Ken Scally, Technical Director

Tłumaczenie:

mgr Michał Jarosz, Account Manager

Wyniki badań gleby/gruntu

Klient: SEGI-AT	Chemtest Job No.:				19-25426	19-25426	19-25426	19-25426	19-25426	19-25426	19-25426	19-25426
Numer oferty:	Chemtest Sample ID.:				865155	865156	865157	865158	865159	865160	865161	865162
	Nr identyfikacyjny próbki:				1	2	3	4	5	6	7	8
	Nr otworu/lokalizacja:				O-9/1	O-9/2	O-9/3	O-9/4	O-9/5	O-9/6	O-9/7	O-9/8
	Matryca:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Głębokość od (m):				0.25	1.00	3.00	5.00	7.00	9.00	11.00	13.00
	Głębokość do (m):				1.00	3.00	5.00	7.00	9.00	11.00	13.00	15.00
	Pobrano przez zleceniodawcę zgodnie z ISO 10381-5				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Data poboru próbek				23-Jul-2019	23-Jul-2019	23-Jul-2019	23-Jul-2019	23-Jul-2019	23-Jul-2019	23-Jul-2019	23-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji								
Wilgotnosc	N	2030	%	0.020	1.9	5.9	14	15	16	16	14	13
Arsen	U	2450	mg/kg	1.0	< 1.0	< 1.0	1.2	1.7	2.1	1.5	1.7	4.1
Bar	U	2450	mg/kg	10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	17
Kadm	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Kobalt	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chrom	U	2450	mg/kg	1.0	2.6	3.5	2.6	2.2	2.4	2.1	2.1	3.5
Molibden	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Cyna	N	2450	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Miedź	U	2450	mg/kg	0.50	0.55	0.56	0.68	0.63	0.93	0.60	< 0.50	2.0
Rtec	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nikiel	U	2450	mg/kg	0.50	1.7	1.4	1.3	1.4	1.6	1.2	0.96	4.3
Ółów	U	2450	mg/kg	0.50	1.4	1.4	1.3	1.1	2.5	0.80	0.74	2.6
Cynk	U	2450	mg/kg	0.50	3.1	3.1	3.4	3.3	5.1	2.8	3.2	7.5
Ogólny węgiel organiczny (TOC)	U	2625	%	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	0.22
Naftalen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.18
Acenaftylen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.99
Acenaften	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.17
Fluoren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.37
Fenantren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.7
Antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.32
Fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.86
Piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.2
Benzo(a)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.38
Chryzen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.29
Benzo(b)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.42
Benzo(k)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.16
Benzo(a)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.39
Indeno(1,2,3-cd)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.18
Dibenzo(a,h)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.33
Benzo(g,h,i)perylen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.27
Suma WWA (9 związków)	U	2700	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	4.8
Suma WWA (16 związków)	U	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	8.2
Suma BTEX	U	2760	mg/kg	0.010			< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzen	U	2760	mg/kg	0.0010			< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Trichloroeten	N	2760	mg/kg	0.0010			< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Toluen	U	2760	mg/kg	0.0010			< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Tetrachloroeten	U	2760	mg/kg	0.0010			< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Wyniki badań gleby/gruntu

Klient: SEGI-AT	Chemtest Job No.:				19-25426	19-25426	19-25426	19-25426	19-25426	19-25426	19-25426	19-25426
Numer oferty:	Chemtest Sample ID.:				865155	865156	865157	865158	865159	865160	865161	865162
	Nr identyfikacyjny próbki:				1	2	3	4	5	6	7	8
	Nr otworu/lokalizacja:				O-9/1	O-9/2	O-9/3	O-9/4	O-9/5	O-9/6	O-9/7	O-9/8
	Matryca:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Głębokość od (m):				0.25	1.00	3.00	5.00	7.00	9.00	11.00	13.00
	Głębokość do (m):				1.00	3.00	5.00	7.00	9.00	11.00	13.00	15.00
	Pobrano przez zleceniodawcę zgodnie z ISO 10381-5				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Data poboru próbki				23-Jul-2019	23-Jul-2019	23-Jul-2019	23-Jul-2019	23-Jul-2019	23-Jul-2019	23-Jul-2019	23-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji								
Etylobenzen	U	2760	mg/kg	0.0010			< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
m & p-Ksylen	U	2760	mg/kg	0.0010			< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
o-Ksylen	U	2760	mg/kg	0.0010			< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Styren	U	2760	mg/kg	0.0010			< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Epichlorohydryna	N	2760	mg/kg	0.010			< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Nitrobenzen	U	2790	mg/kg	0.50			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloroanilina	N	2790	mg/kg	0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
2-Nitroanilina	N	2790	mg/kg	0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
3-Nitroanilina	N	2790	mg/kg	0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
4-Nitroanilina	N	2790	mg/kg	0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
5-Nitro-o-toluidyna	N	2790	mg/kg	0.25			< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
4-tert-Oktylofenol	N	2790	mg/kg	5.00			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
o-Toluidyna	N	2790	mg/kg	0.10			< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Aminobifenyl	N	2790	mg/kg	0.10			< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anilina	N	2790	mg/kg	0.50			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Difenyloamina	N	2790	mg/kg	0.075			< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075
Rezorcyna	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Fenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Krezole	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Ksylenole	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1-Naftol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trimetylofenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Fenole suma	U	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
AOX	N	1265	mg/kg	0.10			1.7	1.5	1.6	1.5	1.5	1.0
4-Hidroksybifenyl	N	1790	mg/kg	5.00			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Hidroksybifenyl	N	1790	mg/kg	5.00			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Sulfon difenyłowy	N	1790	mg/kg	5.00			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Klient: SEGI-AT	Chemtest Job No.:				19-25426
Numer oferty:	Chemtest Sample ID.:				865163
	Nr identyfikacyjny próbki:				9
	Nr otworu/lokalizacja:				O-9/9
	Matryca:				SOIL
	Głębokość od (m):				15.00
	Głębokość do (m):				17.00
	Pobrano przez zleceniodawcę zgodnie z ISO 10381-5				Yes
	Data poboru próbki				23-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji	
Wilgotnosc	N	2030	%	0.020	18
Arsen	U	2450	mg/kg	1.0	5.5
Bar	U	2450	mg/kg	10	15
Kadm	U	2450	mg/kg	0.10	< 0.10
Kobalt	U	2450	mg/kg	2.0	2.0
Chrom	U	2450	mg/kg	1.0	6.1
Molibden	U	2450	mg/kg	2.0	< 2.0
Cyna	N	2450	mg/kg	5.0	< 5.0
Miedz	U	2450	mg/kg	0.50	2.8
Rtec	U	2450	mg/kg	0.10	< 0.10
Nikiel	U	2450	mg/kg	0.50	6.4
Olów	U	2450	mg/kg	0.50	3.7
Cynk	U	2450	mg/kg	0.50	10
Ogólny węgiel organiczny (TOC)	U	2625	%	0.20	0.37
Naftalen	U	2700	mg/kg	0.10	< 0.10
Acenaftylen	U	2700	mg/kg	0.10	< 0.10
Acenaften	U	2700	mg/kg	0.10	< 0.10
Fluoren	U	2700	mg/kg	0.10	< 0.10
Fenantren	U	2700	mg/kg	0.10	< 0.10
Antracen	U	2700	mg/kg	0.10	< 0.10
Fluoranten	U	2700	mg/kg	0.10	< 0.10
Piren	U	2700	mg/kg	0.10	< 0.10
Benzo(a)antracen	U	2700	mg/kg	0.10	< 0.10
Chryzen	U	2700	mg/kg	0.10	< 0.10
Benzo(b)fluoranten	U	2700	mg/kg	0.10	< 0.10
Benzo(k)fluoranten	U	2700	mg/kg	0.10	< 0.10
Benzo(a)piren	U	2700	mg/kg	0.10	< 0.10
Indeno(1,2,3-cd)piren	U	2700	mg/kg	0.10	< 0.10
Dibenzo(a,h)antracen	U	2700	mg/kg	0.10	< 0.10
Benzo(g,h,i)perylen	U	2700	mg/kg	0.10	< 0.10
Suma WWA (9 związków)	U	2700	mg/kg	1.0	< 1.0
Suma WWA (16 związków)	U	2700	mg/kg	2.0	< 2.0
Suma BTEX	U	2760	mg/kg	0.010	< 0.010
Benzen	U	2760	mg/kg	0.0010	< 0.0010
Trichloroeten	N	2760	mg/kg	0.0010	< 0.0010
Toluen	U	2760	mg/kg	0.0010	< 0.0010
Tetrachloroeten	U	2760	mg/kg	0.0010	< 0.0010

Klient: SEGI-AT	Chemtest Job No.:				19-25426
Numer oferty:	Chemtest Sample ID.:				865163
	Nr identyfikacyjny próbki:				9
	Nr otworu/lokalizacja:				O-9/9
	Matryca:				SOIL
	Głębokość od (m):				15.00
	Głębokość do (m):				17.00
	Pobrano przez zleceniodawcę zgodnie z ISO 10381-5				Yes
	Data poboru próbki				23-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji	
Etylobenzen	U	2760	mg/kg	0.0010	< 0.0010
m & p-Ksilen	U	2760	mg/kg	0.0010	< 0.0010
o-Ksilen	U	2760	mg/kg	0.0010	< 0.0010
Styren	U	2760	mg/kg	0.0010	< 0.0010
Epichlorohydryna	N	2760	mg/kg	0.010	< 0.010
Nitrobenzen	U	2790	mg/kg	0.50	< 0.50
4-Chloroanilina	N	2790	mg/kg	0.050	< 0.050
2-Nitroanilina	N	2790	mg/kg	0.050	< 0.050
3-Nitroanilina	N	2790	mg/kg	0.050	< 0.050
4-Nitroanilina	N	2790	mg/kg	0.050	< 0.050
5-Nitro-o-toluidyna	N	2790	mg/kg	0.25	< 0.25
4-tert-Oktylofenol	N	2790	mg/kg	5.00	<5.0
o-Toluidyna	N	2790	mg/kg	0.10	< 0.10
4-Aminobifenyl	N	2790	mg/kg	0.10	< 0.10
Anilina	N	2790	mg/kg	0.50	< 0.50
Difenyloamina	N	2790	mg/kg	0.075	< 0.075
Rezorcyne	U	2920	mg/kg	0.050	< 0.050
Fenol	U	2920	mg/kg	0.050	< 0.050
Krezole	U	2920	mg/kg	0.050	< 0.050
Ksylenele	U	2920	mg/kg	0.050	< 0.050
1-Naftol	N	2920	mg/kg	0.050	< 0.050
Trimetylofenol	U	2920	mg/kg	0.050	< 0.050
Fenole suma	U	2920	mg/kg	0.30	< 0.30
AOX	N	1265	mg/kg	0.10	1.6
4-Hydroksybifenyl	N	1790	mg/kg	5.00	< 5.0
2-Hydroksybifenyl	N	1790	mg/kg	5.00	< 5.0
Sulfon difenylowy	N	1790	mg/kg	5.00	< 5.0

Dodatkowe informacje/Słownik skrótów**Skróty**

U	Akredytacja UKAS
M	Akredytacja UKAS i MCERTS
N	Brak akredytacji
S	Analiza podzlecona, akredytowana
SN	Analiza podzlecona nieakredytowana, badana w akredytowanym laboratorium
T	Analiza podzlecona, badana w nieakredytowanym laboratorium
I/S	Niewystarczająca ilość materiału badawczego
U/S	Nieodpowiednia próbka
N/E	Nie oceniono
SOP	Standardowa procedura operacyjna
<	Znak < znaczy "mniejszy od"
>	Znak > znaczy "większy od"

Komentarze i interpretacje są poza zakresem akredytacji UKAS

Wyniki w sprawozdaniu dotyczą jedynie badanego obiektu, dostarczonego do laboratorium.

Prezentowanie wyników wraz z wartością niepewności jest możliwe na życzenie klienta

Wyniki badań w niniejszym sprawozdaniu nie zostały skorygowane z wartością niepewności

Wszystkie wyniki są wyrażone w przeliczeniu na suchą masę

Wyniki następujących testów zostały skorygowane do zawartości suchej masy: Węglowodory rop., BTEX, LZO, półlotne związki organiczne, PCB, fenole

Pozostałe badania próbek zostały wykonane na suchej zawartości próbki uprzednio wysuszonej w temperaturze <37°C

Badania azbestu są wykonywane w laboratorium w Coventry.

Numery wydania są ponumerowane kolejno zaczynając od 1.

Skróty przy wyniku dla próbek, które mogły utracić stabilność

- A - Nie podano daty poboru próbki
- B - Próbka, która mogła utracić stabilność w wyniku zbyt długiego przechowywania
- C - Próbka dostarczona w nieodpowiednim pojemniku.
- D - Uszkodzone opakowanie
- E - Niewystarczająca ilość próbki

Przechowywanie oraz utylizacja

Wszystkie próbki gleby/gruntu otrzymane przez nasze laboratorium będą magazynowane przez okres 45 dni

Wszystkie próbki wody otrzymane przez nasze laboratorium będą magazynowane przez okres 14 dni

W przypadku wydłużenia czasu magazynowania próbek na prośbę klienta, może zostać naliczona dodatkowa opłata

Jeżeli mają Państwo jakiegokolwiek pytania prosimy o kontakt z obsługą klienta

customerservices@chemtest.com



Final Report

Report No.: 19-25416-1

Initial Date of Issue: 18-Aug-2019

Client SEGI-AT

Client Address: ul. Korkowa 24A
04-502
Warszawa
Poland

Contact(s): Aleksandra Urbaniak-Sloma
Michal Jarosz

Project BYDGOSZCZ, PROJEKT RDOS
ZACHEM

Quotation No.:	Date Received:	29-Jul-2019
Order No.:	Date Instructed:	29-Jul-2019
No. of Samples:		12
Turnaround (Wkdays):	Results Due:	08-Aug-2019
Date Approved:		18-Aug-2019

Approved By:



Details: Ken Scally, Technical Director

Results - Soil

Client: SEGI-AT	Chemtest Job No.: 19-25416													
Quotation No.:	Chemtest Sample ID.: 865126													
	Client Sample ID.:		1	2	3	4	5	6	7	8	9	10		
	Sample Location:		O-10/1	O-10/2	O-10/3	O-10/4	O-10/5	O-10/6	O-10/7	O-10/8	O-10/9	O-10/10		
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL		
	Top Depth (m):		0.25	1.00	3.00	5.00	7.00	9.00	11.00	13.00	15.00	17.00		
	Bottom Depth (m):		1.00	3.00	5.00	7.00	9.00	11.00	13.00	15.00	17.00	19.00		
	Date Sampled:		24-Jul-2019	24-Jul-2019	24-Jul-2019	24-Jul-2019	24-Jul-2019	24-Jul-2019	24-Jul-2019	24-Jul-2019	24-Jul-2019	24-Jul-2019		
Determinand	Accred.	SOP	Units	LOD										
Moisture	N	2030	%	0.020	1.9	2.9	3.0	15	13	12	10	9.0	15	13
Arsenic	U	2450	mg/kg	1.0	< 1.0	< 1.0	1.1	1.3	2.0	2.3	4.3	4.7	1.9	1.5
Barium	U	2450	mg/kg	10	13	< 10	< 10	< 10	< 10	< 10	14	16	< 10	< 10
Cadmium	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cobalt	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	2.2	< 2.0	< 2.0
Chromium	U	2450	mg/kg	1.0	3.8	3.3	3.1	2.9	2.9	2.8	6.3	5.8	2.5	1.3
Molybdenum	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Tin	N	2450	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Copper	U	2450	mg/kg	0.50	0.59	0.65	0.99	1.0	1.1	1.2	4.0	2.7	0.52	< 0.50
Mercury	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	U	2450	mg/kg	0.50	1.7	1.4	1.7	1.7	2.0	2.1	4.4	3.8	1.3	0.96
Lead	U	2450	mg/kg	0.50	2.3	1.7	1.6	1.3	1.6	2.1	6.1	3.7	1.2	0.73
Zinc	U	2450	mg/kg	0.50	6.0	3.4	4.0	4.2	5.6	6.5	11	9.3	3.1	2.6
Total Organic Carbon	U	2625	%	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	0.78	< 0.20	0.23	< 0.20	< 0.20
Naphthalene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 9 PAH's	U	2700	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Of 16 PAH's	U	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Total BTEX	U	2760	mg/kg	0.010				< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Trichloroethene	N	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Toluene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Tetrachloroethene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Ethylbenzene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Results - Soil

Client: SEGI-AT	Chemtest Job No.:											
Quotation No.:	Chemtest Sample ID.:											
	Client Sample ID.:	1	2	3	4	5	6	7	8	9	10	
	Sample Location:	O-10/1	O-10/2	O-10/3	O-10/4	O-10/5	O-10/6	O-10/7	O-10/8	O-10/9	O-10/10	
	Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
	Top Depth (m):	0.25	1.00	3.00	5.00	7.00	9.00	11.00	13.00	15.00	17.00	
	Bottom Depth (m):	1.00	3.00	5.00	7.00	9.00	11.00	13.00	15.00	17.00	19.00	
	Date Sampled:	24-Jul-2019	24-Jul-2019	24-Jul-2019	24-Jul-2019	24-Jul-2019	24-Jul-2019	24-Jul-2019	24-Jul-2019	24-Jul-2019	24-Jul-2019	
Determinand	Accred.	SOP	Units	LOD								
m & p-Xylene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
o-Xylene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Styrene	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Epichlorohydrin	N	2760	mg/kg	0.010				< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Nitrobenzene	U	2790	mg/kg	0.50				< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloroaniline	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
2-Nitroaniline	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
3-Nitroaniline	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
4-Nitroaniline	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
5-Nitro-o-toluidine	N	2790	mg/kg	0.25				< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
4-tert-Octylphenol	N	2790	mg/kg	5.00				<5.0	<5.0	<5.0	<5.0	<5.0
o-Toluidine	N	2790	mg/kg	0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Aminobiphenyl	N	2790	mg/kg	0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aniline	N	2790	mg/kg	0.50				< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Diphenylamine	N	2790	mg/kg	0.075				< 0.075	< 0.075	< 0.075	< 0.075	< 0.075
Resorcinol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Phenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Cresols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Xylenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1-Naphthol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trimethylphenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Total Phenols	U	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
AOX in Soil	N	1265	mg/kg	0.10				0.88	1.9	1.5	1.0	0.94
4-Hydroxybiphenyl	N	1790	mg/kg	5.00				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Hydroxybiphenyl	N	1790	mg/kg	5.00				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Diphenyl Sulfone	N	1790	mg/kg	5.00				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Client: SEGI-AT	Chemtest Job No.:				19-25416	19-25416
Quotation No.:	Chemtest Sample ID.:				865136	865137
	Client Sample ID.:				11	12
	Sample Location:				O-10/11	O-10/12
	Sample Type:				SOIL	SOIL
	Top Depth (m):				19.00	21.00
	Bottom Depth (m):				21.00	23.00
	Date Sampled:				24-Jul-2019	24-Jul-2019
Determinand	Accred.	SOP	Units	LOD		
Moisture	N	2030	%	0.020	11	13
Arsenic	U	2450	mg/kg	1.0	2.5	5.2
Barium	U	2450	mg/kg	10	< 10	21
Cadmium	U	2450	mg/kg	0.10	< 0.10	< 0.10
Cobalt	U	2450	mg/kg	2.0	< 2.0	3.5
Chromium	U	2450	mg/kg	1.0	3.5	7.8
Molybdenum	U	2450	mg/kg	2.0	< 2.0	< 2.0
Tin	N	2450	mg/kg	5.0	< 5.0	< 5.0
Copper	U	2450	mg/kg	0.50	1.7	5.1
Mercury	U	2450	mg/kg	0.10	< 0.10	< 0.10
Nickel	U	2450	mg/kg	0.50	2.9	11
Lead	U	2450	mg/kg	0.50	1.9	6.3
Zinc	U	2450	mg/kg	0.50	6.8	15
Total Organic Carbon	U	2625	%	0.20	< 0.20	0.77
Naphthalene	U	2700	mg/kg	0.10	< 0.10	1.1
Acenaphthylene	U	2700	mg/kg	0.10	< 0.10	0.31
Acenaphthene	U	2700	mg/kg	0.10	< 0.10	0.44
Fluorene	U	2700	mg/kg	0.10	< 0.10	0.63
Phenanthrene	U	2700	mg/kg	0.10	< 0.10	3.0
Anthracene	U	2700	mg/kg	0.10	< 0.10	0.68
Fluoranthene	U	2700	mg/kg	0.10	< 0.10	6.0
Pyrene	U	2700	mg/kg	0.10	< 0.10	6.0
Benzo[a]anthracene	U	2700	mg/kg	0.10	< 0.10	2.0
Chrysene	U	2700	mg/kg	0.10	< 0.10	2.4
Benzo[b]fluoranthene	U	2700	mg/kg	0.10	< 0.10	2.1
Benzo[k]fluoranthene	U	2700	mg/kg	0.10	< 0.10	1.2
Benzo[a]pyrene	U	2700	mg/kg	0.10	< 0.10	1.6
Indeno(1,2,3-c,d)Pyrene	U	2700	mg/kg	0.10	< 0.10	1.1
Dibenz(a,h)Anthracene	U	2700	mg/kg	0.10	< 0.10	0.24
Benzo[g,h,i]perylene	U	2700	mg/kg	0.10	< 0.10	0.98
Total Of 9 PAH's	U	2700	mg/kg	1.0	< 1.0	20
Total Of 16 PAH's	U	2700	mg/kg	2.0	< 2.0	30
Total BTEX	U	2760	mg/kg	0.010	< 0.010	< 0.010
Benzene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010
Trichloroethene	N	2760	mg/kg	0.0010	< 0.0010	< 0.0010
Toluene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010
Tetrachloroethene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010
Ethylbenzene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010

Client: SEGI-AT	Chemtest Job No.:				19-25416	19-25416
Quotation No.:	Chemtest Sample ID.:				865136	865137
	Client Sample ID.:				11	12
	Sample Location:				O-10/11	O-10/12
	Sample Type:				SOIL	SOIL
	Top Depth (m):				19.00	21.00
	Bottom Depth (m):				21.00	23.00
	Date Sampled:				24-Jul-2019	24-Jul-2019
Determinand	Accred.	SOP	Units	LOD		
m & p-Xylene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010
o-Xylene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010
Styrene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010
Epichlorohydrin	N	2760	mg/kg	0.010	< 0.010	< 0.010
Nitrobenzene	U	2790	mg/kg	0.50	< 0.50	< 0.50
4-Chloroaniline	N	2790	mg/kg	0.050	< 0.050	< 0.050
2-Nitroaniline	N	2790	mg/kg	0.050	< 0.050	< 0.050
3-Nitroaniline	N	2790	mg/kg	0.050	< 0.050	< 0.050
4-Nitroaniline	N	2790	mg/kg	0.050	< 0.050	< 0.050
5-Nitro-o-toluidine	N	2790	mg/kg	0.25	< 0.25	< 0.25
4-tert-Octylphenol	N	2790	mg/kg	5.00	<5.0	<5.0
o-Toluidine	N	2790	mg/kg	0.10	< 0.10	< 0.10
4-Aminobiphenyl	N	2790	mg/kg	0.10	< 0.10	< 0.10
Aniline	N	2790	mg/kg	0.50	< 0.50	< 0.50
Diphenylamine	N	2790	mg/kg	0.075	< 0.075	< 0.075
Resorcinol	U	2920	mg/kg	0.050	< 0.050	< 0.050
Phenol	U	2920	mg/kg	0.050	< 0.050	< 0.050
Cresols	U	2920	mg/kg	0.050	< 0.050	< 0.050
Xylenols	U	2920	mg/kg	0.050	< 0.050	< 0.050
1-Naphthol	N	2920	mg/kg	0.050	< 0.050	< 0.050
Trimethylphenols	U	2920	mg/kg	0.050	< 0.050	< 0.050
Total Phenols	U	2920	mg/kg	0.30	< 0.30	< 0.30
AOX in Soil	N	1265	mg/kg	0.10	0.88	1.8
4-Hydroxybiphenyl	N	1790	mg/kg	5.00	< 5.0	< 5.0
2-Hydroxybiphenyl	N	1790	mg/kg	5.00	< 5.0	< 5.0
Diphenyl Sulfone	N	1790	mg/kg	5.00	< 5.0	< 5.0

Report Information

Key

- U UKAS accredited
- M MCERTS and UKAS accredited
- N Unaccredited
- S This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
- SN This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
- T This analysis has been subcontracted to an unaccredited laboratory
- I/S Insufficient Sample
- U/S Unsuitable Sample
- N/E not evaluated
- < "less than"
- > "greater than"

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



SPRAWOZDANIE Z BADAŃ

Numer sprawozdania: 19-25416-1

Data wydania: 18-Aug-2019

Klient: SEGI-AT

Adres klienta: ul. Korkowa 24A
04-502
Warszawa
Poland

Kontakt/y: Aleksandra Urbaniak-Sloma
Michał Jarosz

Projekt: BYDGOSZCZ, PROJEKT RDOS
ZACHEM

Numer oferty:

Data przyjęcia próbek: 29-Jul-2019

Numer wyceny:

Data rejestracji próbek: 29-Jul-2019

Ilość próbek: 12

Termin docelowy: 08-Aug-2019

Czas realizacji zlecenia:
(ilość dni roboczych) 9

Termin realizacji zlecenia: 08-Aug-2019

Data zatwierdzenia: 18-Aug-2019

Zatwierdził:

Tłumaczenie:

Szczegóły: Ken Scally, Technical Director

mgr Michał Jarosz, Account Manager

Wyniki badań gleby/gruntu

Klient: SEGI-AT	Chemtest Job No.:				19-25416	19-25416	19-25416	19-25416	19-25416	19-25416	19-25416	19-25416
Numer oferty:	Chemtest Sample ID.:				865126	865127	865128	865129	865130	865131	865132	865133
	Nr identyfikacyjny próbki:				1	2	3	4	5	6	7	8
	Nr otworu/lokalizacja:				O-10/1	O-10/2	O-10/3	O-10/4	O-10/5	O-10/6	O-10/7	O-10/8
	Matryca:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Głębokość od (m):				0.25	1.00	3.00	5.00	7.00	9.00	11.00	13.00
	Głębokość do (m):				1.00	3.00	5.00	7.00	9.00	11.00	13.00	15.00
	Pobrano przez zleceniodawcę zgodnie z ISO 10381-5				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Data poboru próbek				24-Jul-2019	24-Jul-2019	24-Jul-2019	24-Jul-2019	24-Jul-2019	24-Jul-2019	24-Jul-2019	24-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji								
Wilgotnosc	N	2030	%	0.020	1.9	2.9	3.0	15	13	12	10	9.0
Arsen	U	2450	mg/kg	1.0	< 1.0	< 1.0	1.1	1.3	2.0	2.3	4.3	4.7
Bar	U	2450	mg/kg	10	13	< 10	< 10	< 10	< 10	< 10	14	16
Kadm	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Kobalt	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	2.2
Chrom	U	2450	mg/kg	1.0	3.8	3.3	3.1	2.9	2.9	2.8	6.3	5.8
Molibden	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Cyna	N	2450	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Miedź	U	2450	mg/kg	0.50	0.59	0.65	0.99	1.0	1.1	1.2	4.0	2.7
Rtec	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nikiel	U	2450	mg/kg	0.50	1.7	1.4	1.7	1.7	2.0	2.1	4.4	3.8
Olów	U	2450	mg/kg	0.50	2.3	1.7	1.6	1.3	1.6	2.1	6.1	3.7
Cynk	U	2450	mg/kg	0.50	6.0	3.4	4.0	4.2	5.6	6.5	11	9.3
Ogólny węgiel organiczny (TOC)	U	2625	%	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	0.78	< 0.20	0.23
Naftalen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaftylen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaften	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fenantren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(a)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chryzen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(b)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(k)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(a)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-cd)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenzo(a,h)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo(g,h,i)perylen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Suma WWA (9 związków)	U	2700	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Suma WWA (16 związków)	U	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Suma BTEX	U	2760	mg/kg	0.010				< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzen	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Trichloroeten	N	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Toluen	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Tetrachloroeten	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Wyniki badań gleby/gruntu

Klient: SEGI-AT	Chemtest Job No.:				19-25416	19-25416	19-25416	19-25416	19-25416	19-25416	19-25416	19-25416
Numer oferty:	Chemtest Sample ID.:				865126	865127	865128	865129	865130	865131	865132	865133
	Nr identyfikacyjny próbki:				1	2	3	4	5	6	7	8
	Nr otworu/lokalizacja:				O-10/1	O-10/2	O-10/3	O-10/4	O-10/5	O-10/6	O-10/7	O-10/8
	Matryca:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Głębokość od (m):				0.25	1.00	3.00	5.00	7.00	9.00	11.00	13.00
	Głębokość do (m):				1.00	3.00	5.00	7.00	9.00	11.00	13.00	15.00
	Pobrano przez zleceniodawcę zgodnie z ISO 10381-5				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Data poboru próbki				24-Jul-2019	24-Jul-2019	24-Jul-2019	24-Jul-2019	24-Jul-2019	24-Jul-2019	24-Jul-2019	24-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji								
Etylobenzen	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
m & p-Ksilen	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
o-Ksilen	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Styren	U	2760	mg/kg	0.0010				< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Epichlorohydryna	N	2760	mg/kg	0.010				< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Nitrobenzen	U	2790	mg/kg	0.50				< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloroanilina	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
2-Nitroanilina	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
3-Nitroanilina	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
4-Nitroanilina	N	2790	mg/kg	0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
5-Nitro-o-toluidyna	N	2790	mg/kg	0.25				< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
4-tert-Oktylofenol	N	2790	mg/kg	5.00				<5.0	<5.0	<5.0	<5.0	<5.0
o-Toluidyna	N	2790	mg/kg	0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Aminobifenyl	N	2790	mg/kg	0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anilina	N	2790	mg/kg	0.50				< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Difenyloamina	N	2790	mg/kg	0.075				< 0.075	< 0.075	< 0.075	< 0.075	< 0.075
Rezorcyne	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Fenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Krezole	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Ksylenele	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1-Naftol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trimetylofenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Fenole suma	U	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
AOX	N	1265	mg/kg	0.10				0.88	1.9	1.5	1.0	0.94
4-Hydroksybifenyl	N	1790	mg/kg	5.00				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Hydroksybifenyl	N	1790	mg/kg	5.00				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Sulfon difenyłowy	N	1790	mg/kg	5.00				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Wyniki badań gleby/gruntu

Klient: SEGI-AT	Chemtest Job No.:				19-25416	19-25416	19-25416	19-25416
Numer oferty:	Chemtest Sample ID.:				865134	865135	865136	865137
	Nr identyfikacyjny próbki:				9	10	11	12
	Nr otworu/lokalizacja:				O-10/9	O-10/10	O-10/11	O-10/12
	Matryca:				SOIL	SOIL	SOIL	SOIL
	Głębokość od (m):				15.00	17.00	19.00	21.00
	Głębokość do (m):				17.00	19.00	21.00	23.00
	Pobrano przez zleceniodawcę zgodnie z ISO 10381-5				Yes	Yes	Yes	Yes
	Data poboru próbek				24-Jul-2019	24-Jul-2019	24-Jul-2019	24-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji				
Wilgotnosc	N	2030	%	0.020	15	13	11	13
Arsen	U	2450	mg/kg	1.0	1.9	1.5	2.5	5.2
Bar	U	2450	mg/kg	10	< 10	< 10	< 10	21
Kadm	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Kobalt	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	3.5
Chrom	U	2450	mg/kg	1.0	2.5	1.3	3.5	7.8
Molibden	U	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0
Cyna	N	2450	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0
Miedź	U	2450	mg/kg	0.50	0.52	< 0.50	1.7	5.1
Rtec	U	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nikiel	U	2450	mg/kg	0.50	1.3	0.96	2.9	11
Ółów	U	2450	mg/kg	0.50	1.2	0.73	1.9	6.3
Cynk	U	2450	mg/kg	0.50	3.1	2.6	6.8	15
Ogólny węgiel organiczny (TOC)	U	2625	%	0.20	< 0.20	< 0.20	< 0.20	0.77
Naftalen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	1.1
Acenaftylen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.31
Acenaften	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.44
Fluoren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.63
Fenantren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	3.0
Antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.68
Fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	6.0
Piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	6.0
Benzo(a)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	2.0
Chryzen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	2.4
Benzo(b)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	2.1
Benzo(k)fluoranten	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	1.2
Benzo(a)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	1.6
Indeno(1,2,3-cd)piren	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	1.1
Dibenzo(a,h)antracen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.24
Benzo(g,h,i)perylen	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.98
Suma WWA (9 związków)	U	2700	mg/kg	1.0	< 1.0	< 1.0	< 1.0	20
Suma WWA (16 związków)	U	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	30
Suma BTEX	U	2760	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Trichloroeten	N	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Toluen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Tetrachloroeten	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Wyniki badań gleby/gruntu

Klient: SEGI-AT	Chemtest Job No.:				19-25416	19-25416	19-25416	19-25416
Numer oferty:	Chemtest Sample ID.:				865134	865135	865136	865137
	Nr identyfikacyjny próbki:				9	10	11	12
	Nr otworu/lokalizacja:				O-10/9	O-10/10	O-10/11	O-10/12
	Matryca:				SOIL	SOIL	SOIL	SOIL
	Głębokość od (m):				15.00	17.00	19.00	21.00
	Głębokość do (m):				17.00	19.00	21.00	23.00
	Pobrano przez zleceniodawcę zgodnie z ISO 10381-5				Yes	Yes	Yes	Yes
	Data poboru próbki				24-Jul-2019	24-Jul-2019	24-Jul-2019	24-Jul-2019
Oznaczany parametr	Akredytacja	SOP	Jednostka	Limit detekcji				
Etylobenzen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
m & p-Ksilen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
o-Ksilen	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Styren	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Epichlorohydryna	N	2760	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010
Nitrobenzen	U	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloroanilina	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
2-Nitroanilina	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
3-Nitroanilina	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
4-Nitroanilina	N	2790	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
5-Nitro-o-toluidyna	N	2790	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25
4-tert-Oktylofenol	N	2790	mg/kg	5.00	<5.0	<5.0	<5.0	<5.0
o-Toluidyna	N	2790	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Aminobifenyl	N	2790	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anilina	N	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Difenyloamina	N	2790	mg/kg	0.075	< 0.075	< 0.075	< 0.075	< 0.075
Rezorcyna	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
Fenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
Krezole	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
Ksylenele	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
1-Naftol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trimetylofenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050
Fenole suma	U	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30	< 0.30
AOX	N	1265	mg/kg	0.10	0.84	0.82	0.88	1.8
4-Hidroksybifenyl	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0	< 5.0
2-Hidroksybifenyl	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0	< 5.0
Sulfon difenyłowy	N	1790	mg/kg	5.00	< 5.0	< 5.0	< 5.0	< 5.0

Dodatkowe informacje/Słownik skrótów**Skróty**

U	Akredytacja UKAS
M	Akredytacja UKAS i MCERTS
N	Brak akredytacji
S	Analiza podzlecona, akredytowana
SN	Analiza podzlecona nieakredytowana, badana w akredytowanym laboratorium
T	Analiza podzlecona, badana w nieakredytowanym laboratorium
I/S	Niewystarczająca ilość materiału badawczego
U/S	Nieodpowiednia próbka
N/E	Nie oceniono
SOP	Standardowa procedura operacyjna
<	Znak < znaczy "mniejszy od"
>	Znak > znaczy "większy od"

Komentarze i interpretacje są poza zakresem akredytacji UKAS

Wyniki w sprawozdaniu dotyczą jedynie badanego obiektu, dostarczonego do laboratorium.

Prezentowanie wyników wraz z wartością niepewności jest możliwe na życzenie klienta

Wyniki badań w niniejszym sprawozdaniu nie zostały skorygowane z wartością niepewności

Wszystkie wyniki są wyrażone w przeliczeniu na suchą masę

Wyniki następujących testów zostały skorygowane do zawartości suchej masy: Węglowodory rop., BTEX, LZO, półlotne związki organiczne, PCB, fenole

Pozostałe badania próbek zostały wykonane na suchej zawartości próbki uprzednio wysuszonej w temperaturze <37°C

Badania azbestu są wykonywane w laboratorium w Coventry.

Numery wydania są ponumerowane kolejno zaczynając od 1.

Skróty przy wyniku dla próbek, które mogły utracić stabilność

- A - Nie podano daty poboru próbki
- B - Próbka, która mogła utracić stabilność w wyniku zbyt długiego przechowywania
- C - Próbka dostarczona w nieodpowiednim pojemniku.
- D - Uszkodzone opakowanie
- E - Niewystarczająca ilość próbki

Przechowywanie oraz utylizacja

Wszystkie próbki gleby/gruntu otrzymane przez nasze laboratorium będą magazynowane przez okres 45 dni

Wszystkie próbki wody otrzymane przez nasze laboratorium będą magazynowane przez okres 14 dni

W przypadku wydłużenia czasu magazynowania próbek na prośbę klienta, może zostać naliczona dodatkowa opłata

Jeżeli mają Państwo jakiegokolwiek pytania prosimy o kontakt z obsługą klienta

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