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Date 21.10.2020

Our reference: EUAA55-00002525

Client Code: EP0000026

Pinnasepuhastuse OÜ

Technical contact for your orders Veronika Tammekivi

Veiko Reinmets

Peterburi tee 2f

11415 Tallinn

ESTONIA

Email: veiko.reinmets@rtsinfra.eu

Sample number	337-2020-00008357	337-2020-00008358	337-2020-00008359	337-2020-00008360	337-2020-00008361
Client sample code	Proov A2	Proov A3	Proov A4	Proov A5	Proov B1
Sample reference	Proov A2	Proov A3	Proov A4	Proov A5	Proov B1
Sample description	Soil	Soil	Soil	Soil	Soil
Sampling date and time	07.10.2020.00:00	07.10.2020.00:00	07.10.2020.00:00	07.10.2020.00:00	07.10.2020.00:00

Physico-chemical test

Dry matter	EPDRY	%	71	77	84	88	72
Dry matter	AN01C	% (w/w)	72.8	74.3	85.0	88.6	73.2

HYDROCARBONS

Nonpolar TPH C10-C21	EPTPH	mg/kg dw	260	450	240	80	170
Nonpolar TPH C21-C40	EPTPH	mg/kg dw	73	100	<20	<20	52
Nonpolar TPH C10-C40	EPTPH	mg/kg dw	330	560	250	98	220

PAH

Acenaphthene	EPPAH	mg/kg dw	1,8	1,0	0,18	0,12	1,0
Acenaphthylene	EPPAH	mg/kg dw	2,4	1,3	0,072	0,046	1,4
Anthracene	EPPAH	mg/kg dw	3,6	2,3	0,73	0,31	1,3
Benz(a)anthracene	EPPAH	mg/kg dw	2,4	1,4	0,27	0,18	0,75
Benzo(a)pyrene	EPPAH	mg/kg dw	1,6	0,92	0,15	0,096	0,48
Benzo(b)fluoranthene	EPPAH	mg/kg dw	0,96	0,51	0,067	0,018	0,31
Benzo(g,h,i)perylene	EPPAH	mg/kg dw	0,66	0,44	0,062	0,041	0,19
Benzo(k)fluoranthene	EPPAH	mg/kg dw	0,46	0,24	0,028	0,009	0,14
Chrysene	EPPAH	mg/kg dw	1,8	0,92	0,14	0,058	0,49
Dibenz(a,h)anthracene	EPPAH	mg/kg dw	0,32	0,15	0,020	0,014	0,066
Fluoranthene	EPPAH	mg/kg dw	4,2	2,2	0,33	0,098	1,3
Fluorene	EPPAH	mg/kg dw	2,4	1,4	0,19	0,13	1,3
Indeno(1,2,3-cd)pyrene	EPPAH	mg/kg dw	0,49	0,34	0,038	0,016	0,14
Naphthalene	EPPAH	mg/kg dw	20	13	0,25	0,26	15
Phenanthrene	EPPAH	mg/kg dw	11	6,8	1,1	0,33	4,0
Pyrene	EPPAH	mg/kg dw	5,5	3,0	0,61	0,32	1,7
Total 16 EPA-PAH excl. LOQ	EPC07	mg/kg dw	60	36	4,2	2,0	30

Phenolic compounds

Phenol	AN2J9	mg/kg dw	0.24	0.14	0.18	0.08	0.35
2-Methylphenol	AN2JS	mg/kg dw	0.08	< 0.05	0.11	< 0.05	0.13
3-Methylphenol	AN2JT	mg/kg dw	0.23	0.24	0.27	< 0.05	0.51

Eurofins Environment Testing Estonia OÜ

Paavli 5/3
10412 Tallinn
ESTONIA

estonia@eurofins.com
www.eurofins.ee

Business Registry Code: 12893983
VAT number: EE101823296



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Sample number	337-2020-00008357	337-2020-00008358	337-2020-00008359	337-2020-00008360	337-2020-00008361
Client sample code	Proov A2	Proov A3	Proov A4	Proov A5	Proov B1

Sample reference	Proov A2	Proov A3	Proov A4	Proov A5	Proov B1
Sample description	Soil	Soil	Soil	Soil	Soil
Sampling date and time	07.10.2020.00:00	07.10.2020.00:00	07.10.2020.00:00	07.10.2020.00:00	07.10.2020.00:00

3-Methylphenol	AN2JT	mg/kg dw	0.23	0.24	0.27	< 0.05	0.51
4-Methylphenol	AN2J7	mg/kg dw	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,3-Dimethylphenol	AN6WN	mg/kg dw	0.18	0.48	5.3	0.52	0.51
2,4-Dimethylphenol	AN2ML	mg/kg dw	< 0.05	0.15	1.3	0.16	0.14
2,5-Dimethylphenol	ANSKM	mg/kg dw	0.22	0.58	2.8	< 0.05	0.57
2,6-Dimethylphenol	ANBHG	mg/kg dw	< 0.05	0.10	0.61	0.12	< 0.05
3,4-Dimethylphenol	AN2MM	mg/kg dw	0.12	0.29	2.4	0.10	0.22
3,5-Dimethylphenol	ANBHH	mg/kg dw	< 0.05	0.94	7.1	0.76	0.83
2,3,5-Trimethylphenol	AN2MN	mg/kg dw	0.20	0.93	4.9	0.50	0.36
2,3,6-Trimethylphenol	AN2MP	mg/kg dw	0.24	0.52	3.5	0.14	0.45
2,4,6-Trimethylphenol	ANG3D	mg/kg dw	< 0.05	0.48	2.6	0.28	0.31
3,4,5-Trimethylphenol	AN2MQ	mg/kg dw	< 0.05	0.18	1.1	0.09	< 0.05

Sample number	337-2020-00008362	337-2020-00008363	337-2020-00008364	337-2020-00008365	337-2020-00008366
Client sample code	Proov B2	Proov B3	Proov B4	Proov B5	Proov B6

Sample reference	Proov B2	Proov B3	Proov B4	Proov B5	Proov B6
Sample description	Soil	Soil	Soil	Soil	Soil
Sampling date and time	07.10.2020.00:00	07.10.2020.00:00	07.10.2020.00:00	07.10.2020.00:00	07.10.2020.00:00

Physico-chemical test

Dry matter	EPDRY	%	78	81	85	92	82
Dry matter	AN01C	% (w/w)	78.8	81.5	84.3	91.7	82.2

HYDROCARBONS

Nonpolar TPH C10-C21	EPTPH	mg/kg dw	1900	110	430	70	29
Nonpolar TPH C21-C40	EPTPH	mg/kg dw	530	<20	20	24	<20
Nonpolar TPH C10-C40	EPTPH	mg/kg dw	2400	130	450	94	41

PAH

Acenaphthene	EPPAH	mg/kg dw	1,5	0,19	0,12	0,27	0,27
Acenaphthylene	EPPAH	mg/kg dw	2,2	0,22	0,023	0,35	0,36
Anthracene	EPPAH	mg/kg dw	32	0,39	0,74	1,1	0,88
Benz(a)anthracene	EPPAH	mg/kg dw	9,8	0,21	0,20	0,67	0,58
Benzo(a)pyrene	EPPAH	mg/kg dw	4,7	0,13	0,11	0,48	0,37
Benzo(b)fluoranthene	EPPAH	mg/kg dw	2,6	0,064	0,044	0,25	0,20
Benzo(g,h,i)perylene	EPPAH	mg/kg dw	3,1	0,051	0,046	0,21	0,16
Benzo(k)fluoranthene	EPPAH	mg/kg dw	1,2	0,031	0,022	0,12	0,093
Chrysene	EPPAH	mg/kg dw	7,6	0,16	0,093	0,41	0,41
Dibenz(a,h)anthracene	EPPAH	mg/kg dw	1,6	0,021	0,017	0,077	0,058
Fluoranthene	EPPAH	mg/kg dw	11	0,34	0,25	1,1	0,93
Fluorene	EPPAH	mg/kg dw	2,4	0,27	0,096	0,40	0,43
Indeno(1,2,3-cd)pyrene	EPPAH	mg/kg dw	2,8	0,042	0,027	0,17	0,13
Naphthalene	EPPAH	mg/kg dw	30	1,1	0,57	2,7	1,1
Phenanthrene	EPPAH	mg/kg dw	44	1,0	1,1	3,3	2,4
Pyrene	EPPAH	mg/kg dw	15	0,48	0,51	1,5	1,3
Total 16 EPA-PAH excl. LOQ	EPC07	mg/kg dw	170	4,7	4,0	13	9,7

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Paavli 5/3
10412 Tallinn
ESTONIA

estonia@eurofins.com
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Sample number	337-2020-00008362	337-2020-00008363	337-2020-00008364	337-2020-00008365	337-2020-00008366
Client sample code	Proov B2	Proov B3	Proov B4	Proov B5	Proov B6

Sample reference	Proov B2	Proov B3	Proov B4	Proov B5	Proov B6
Sample description	Soil	Soil	Soil	Soil	Soil
Sampling date and time	07.10.2020.00:00	07.10.2020.00:00	07.10.2020.00:00	07.10.2020.00:00	07.10.2020.00:00

Total 16 EPA-PAH excl. EPC07 LOQ	mg/kg dw	170	4,7	4,0	13	9,7
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Phenolic compounds

Phenol	AN2J9	mg/kg dw	0.84	0.09	0.13	0.10	0.10
2-Methylphenol	AN2JS	mg/kg dw	0.72	< 0.05	0.16	0.11	< 0.05
3-Methylphenol	AN2JT	mg/kg dw	1.8	0.11	0.43	0.25	0.09
4-Methylphenol	AN2J7	mg/kg dw	0.22	< 0.05	0.07	< 0.05	< 0.05
2,3-Dimethylphenol	AN6WN	mg/kg dw	0.14	1.4	6.4	3.1	0.51
2,4-Dimethylphenol	AN2ML	mg/kg dw	2.1	0.37	1.8	1.1	2.7
2,5-Dimethylphenol	ANSKM	mg/kg dw	5.4	1.0	3.9	0.82	1.0
2,6-Dimethylphenol	ANBHG	mg/kg dw	0.88	0.22	0.87	0.72	2.6
3,4-Dimethylphenol	AN2MM	mg/kg dw	3.4	0.81	2.9	1.4	1.0
3,5-Dimethylphenol	ANBHH	mg/kg dw	8.9	2.2	8.5	6.1	8.8
2,3,5-Trimethylphenol	AN2MN	mg/kg dw	5.3	1.0	6.8	1.4	0.62
2,3,6-Trimethylphenol	AN2MP	mg/kg dw	4.3	0.74	5.5	0.86	0.52
2,4,6-Trimethylphenol	ANG3D	mg/kg dw	3.5	0.59	4.8	0.98	0.66
3,4,5-Trimethylphenol	AN2MQ	mg/kg dw	0.91	0.24	1.2	0.28	0.21

Sample number	337-2020-00008367	337-2020-00008368	337-2020-00008369	337-2020-00008370	337-2020-00008371
Client sample code	Proov C1	Proov C2	Proov C3	Proov C4	Proov C5

Sample reference	Proov C1	Proov C2	Proov C3	Proov C4	Proov C5
Sample description	Soil	Soil	Soil	Soil	Soil
Sampling date and time	07.10.2020.00:00	07.10.2020.00:00	07.10.2020.00:00	07.10.2020.00:00	07.10.2020.00:00

Physico-chemical test

Dry matter	EPDRY	%	74	84	90	84	84
Dry matter	AN01C	% (w/w)	72.7	86.9	90.7	84.5	85.1

HYDROCARBONS

Nonpolar TPH C10-C21	EPTPH	mg/kg dw	360	440	810	1400	<20
Nonpolar TPH C21-C40	EPTPH	mg/kg dw	130	40	130	40	<20
Nonpolar TPH C10-C40	EPTPH	mg/kg dw	490	480	930	1500	<20

PAH

Acenaphthene	EPPAH	mg/kg dw	0,21	0,26	0,13	0,18	0,012
Acenaphthylene	EPPAH	mg/kg dw	0,25	0,19	0,096	0,018	0,013
Anthracene	EPPAH	mg/kg dw	0,94	2,4	1,4	1,1	0,065
Benz(a)anthracene	EPPAH	mg/kg dw	0,69	1,1	0,66	0,15	0,026
Benzo(a)pyrene	EPPAH	mg/kg dw	0,50	0,65	0,39	0,068	0,017
Benzo(b)fluoranthene	EPPAH	mg/kg dw	0,28	0,33	0,18	0,016	0,011
Benzo(g,h,i)perylene	EPPAH	mg/kg dw	0,25	0,26	0,16	0,024	0,009
Benzo(k)fluoranthene	EPPAH	mg/kg dw	0,12	0,15	0,081	0,008	0,004
Chrysene	EPPAH	mg/kg dw	0,37	0,80	0,43	0,043	0,019
Dibenz(a,h)anthracene	EPPAH	mg/kg dw	0,10	0,11	0,064	0,009	<0,003
Fluoranthene	EPPAH	mg/kg dw	0,91	1,5	0,90	0,13	0,051
Fluorene	EPPAH	mg/kg dw	0,26	0,28	0,13	0,13	0,015



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Sample number	337-2020-00008367	337-2020-00008368	337-2020-00008369	337-2020-00008370	337-2020-00008371
Client sample code	Proov C1	Proov C2	Proov C3	Proov C4	Proov C5

Sample reference	Proov C1	Proov C2	Proov C3	Proov C4	Proov C5
Sample description	Soil	Soil	Soil	Soil	Soil
Sampling date and time	07.10.2020.00:00	07.10.2020.00:00	07.10.2020.00:00	07.10.2020.00:00	07.10.2020.00:00

Indeno(1,2,3-cd)pyrene	EPPAH	mg/kg dw	0,15	0,20	0,11	0,012	0,004
Naphthalene	EPPAH	mg/kg dw	2,8	2,0	0,76	0,69	0,15
Phenanthrene	EPPAH	mg/kg dw	2,1	4,5	3,4	1,3	0,19
Pyrene	EPPAH	mg/kg dw	1,6	2,3	1,4	0,46	0,093
Total 16 EPA-PAH excl. EPC07		mg/kg dw	12	17	10	4,3	0,68
LOQ							

Phenolic compounds

Phenol	AN2J9	mg/kg dw	0.39	0.33	0.14	0.26	6.4
2-Methylphenol	AN2JS	mg/kg dw	0.63	0.88	1.6	0.51	3.4
3-Methylphenol	AN2JT	mg/kg dw	2.3	2.9	5.7	1.2	14
4-Methylphenol	AN2J7	mg/kg dw	0.25	0.37	0.59	0.26	1.3
2,3-Dimethylphenol	AN6WN	mg/kg dw	1.5	18	10	6.0	24
2,4-Dimethylphenol	AN2ML	mg/kg dw	0.25	5.6	2.6	1.5	8.7
2,5-Dimethylphenol	ANSKM	mg/kg dw	1.2	16	7.9	4.4	26
2,6-Dimethylphenol	ANBHG	mg/kg dw	0.08	2.8	1.3	0.55	2.5
3,4-Dimethylphenol	AN2MM	mg/kg dw	0.89	9.9	5.7	3.5	15
3,5-Dimethylphenol	ANBHH	mg/kg dw	2.7	25	15	8.0	37
2,3,5-Trimethylphenol	AN2MN	mg/kg dw	2.5	10	8.6	6.1	15
2,3,6-Trimethylphenol	AN2MP	mg/kg dw	2.8	9.0	9.3	8.2	13
2,4,6-Trimethylphenol	ANG3D	mg/kg dw	1.1	6.9	6.1	4.7	9.9
3,4,5-Trimethylphenol	AN2MQ	mg/kg dw	0.44	1.6	1.5	1.0	2.7

Sample number	337-2020-00008372	337-2020-00008374	337-2020-00008375	337-2020-00008376	337-2020-00008377
Client sample code	Proov C6	Proov D1	Proov D2	Proov D3	Proov D4

Sample reference	Proov C6	Proov D1	Proov D2	Proov D3	Proov D4
Sample description	Soil	Soil	Soil	Soil	Soil
Sampling date and time	07.10.2020.00:00	07.10.2020.00:00	07.10.2020.00:00	07.10.2020.00:00	07.10.2020.00:00

Physico-chemical test

Dry matter	EPDRY	%	89	86	62	83	88
Dry matter	AN01C	% (w/w)	87.9	87.0	64.9	83.9	86.6

HYDROCARBONS

Nonpolar TPH C10-C21	EPTPH	mg/kg dw	650	910	2600	1000	890
Nonpolar TPH C21-C40	EPTPH	mg/kg dw	170	85	640	150	51
Nonpolar TPH C10-C40	EPTPH	mg/kg dw	810	990	3300	1200	940

PAH

Acenaphthene	EPPAH	mg/kg dw	0,24	0,80	0,71	0,24	0,16
Acenaphthylene	EPPAH	mg/kg dw	0,29	1,1	0,88	0,15	0,053
Anthracene	EPPAH	mg/kg dw	3,1	4,2	7,8	2,3	1,0
Benz(a)anthracene	EPPAH	mg/kg dw	2,0	2,3	5,4	1,2	0,38
Benzo(a)pyrene	EPPAH	mg/kg dw	1,3	1,4	3,0	0,72	0,21
Benzo(b)fluoranthene	EPPAH	mg/kg dw	0,69	0,73	1,7	0,35	0,086
Benzo(g,h,i)perylene	EPPAH	mg/kg dw	0,64	0,57	1,4	0,31	0,082
Benzo(k)fluoranthene	EPPAH	mg/kg dw	0,36	0,38	0,76	0,17	0,041



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Sample number	337-2020-00008372	337-2020-00008374	337-2020-00008375	337-2020-00008376	337-2020-00008377
Client sample code	Proov C6	Proov D1	Proov D2	Proov D3	Proov D4

Sample reference	Proov C6	Proov D1	Proov D2	Proov D3	Proov D4
Sample description	Soil	Soil	Soil	Soil	Soil
Sampling date and time	07.10.2020.00:00	07.10.2020.00:00	07.10.2020.00:00	07.10.2020.00:00	07.10.2020.00:00

Chrysene	EPPAH	mg/kg dw	1,4	1,6	4,1	0,80	0,19
Dibenz(a,h)anthracene	EPPAH	mg/kg dw	0,27	0,25	0,67	0,13	0,031
Fluoranthene	EPPAH	mg/kg dw	3,4	3,8	6,4	1,5	0,41
Fluorene	EPPAH	mg/kg dw	0,34	1,3	1,0	0,25	0,12
Indeno(1,2,3-cd)pyrene	EPPAH	mg/kg dw	0,53	0,48	1,1	0,23	0,046
Naphthalene	EPPAH	mg/kg dw	3,5	15	13	2,6	0,87
Phenanthrene	EPPAH	mg/kg dw	10	13	21	5,0	1,5
Pyrene	EPPAH	mg/kg dw	4,5	5,1	8,9	2,4	0,80
Total 16 EPA-PAH excl. EPC07	EPC07	mg/kg dw	33	52	78	18	6,0
LOQ							

Phenolic compounds

Phenol	AN2J9	mg/kg dw	0.27	0.16	1.2	0.44	0.12
2-Methylphenol	AN2JS	mg/kg dw	0.51	0.28	1.2	0.57	0.14
3-Methylphenol	AN2JT	mg/kg dw	1.4	0.85	2.2	1.7	0.31
4-Methylphenol	AN2J7	mg/kg dw	0.15	0.10	0.36	0.16	< 0.05
2,3-Dimethylphenol	AN6WN	mg/kg dw	4.1	3.5	11	5.8	3.9
2,4-Dimethylphenol	AN2ML	mg/kg dw	1.3	1.3	2.9	1.7	1.0
2,5-Dimethylphenol	ANSKM	mg/kg dw	3.6	2.8	8.0	5.4	2.8
2,6-Dimethylphenol	ANBHG	mg/kg dw	0.63	0.64	1.2	0.77	0.38
3,4-Dimethylphenol	AN2MM	mg/kg dw	2.7	2.1	6.7	3.2	2.7
3,5-Dimethylphenol	ANBHH	mg/kg dw	6.4	7.7	14	8.5	6.7
2,3,5-Trimethylphenol	AN2MN	mg/kg dw	2.7	3.2	6.8	5.6	3.3
2,3,6-Trimethylphenol	AN2MP	mg/kg dw	2.1	2.4	6.2	5.0	3.2
2,4,6-Trimethylphenol	ANG3D	mg/kg dw	1.6	2.5	5.5	3.8	2.0
3,4,5-Trimethylphenol	AN2MQ	mg/kg dw	0.51	0.64	1.4	0.91	0.66

Sample number	337-2020-00008378	337-2020-00008379	337-2020-00008380	337-2020-00008381	337-2020-00008382
Client sample code	Proov D5	Proov D6	Proov E1	Proov E2	Proov E3

Sample reference	Proov D5	Proov D6	Proov E1	Proov E2	Proov E3
Sample description	Soil	Soil	Soil	Soil	Soil
Sampling date and time	07.10.2020.00:00	07.10.2020.00:00	07.10.2020.00:00	07.10.2020.00:00	07.10.2020.00:00

Physico-chemical test

Dry matter	EPDRY	%	83	89	87	61	79
Dry matter	AN01C	% (w/w)	87.4	88.6	85.0	61.9	81.3

HYDROCARBONS

Nonpolar TPH C10-C21	EPTPH	mg/kg dw	400	580	88	2600	1400
Nonpolar TPH C21-C40	EPTPH	mg/kg dw	46	98	<20	470	72
Nonpolar TPH C10-C40	EPTPH	mg/kg dw	450	680	90	3000	1500

PAH

Acenaphthene	EPPAH	mg/kg dw	0,14	0,12	0,16	0,98	0,26
Acenaphthylene	EPPAH	mg/kg dw	0,058	0,028	0,024	1,2	0,068
Anthracene	EPPAH	mg/kg dw	1,4	1,5	0,060	12	1,4
Benz(a)anthracene	EPPAH	mg/kg dw	0,79	0,96	0,010	7,0	0,31

Eurofins Environment Testing Estonia OÜ

Paavli 5/3
10412 Tallinn
ESTONIA

estonia@eurofins.com
www.eurofins.ee

Business Registry Code: 12893983
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Sample number			337-2020-00008378	337-2020-00008379	337-2020-00008380	337-2020-00008381	337-2020-00008382
Client sample code			Proov D5	Proov D6	Proov E1	Proov E2	Proov E3
Sample reference			Proov D5	Proov D6	Proov E1	Proov E2	Proov E3
Sample description			Soil	Soil	Soil	Soil	Soil
Sampling date and time			07.10.2020.00:00	07.10.2020.00:00	07.10.2020.00:00	07.10.2020.00:00	07.10.2020.00:00
Benzo(a)pyrene	EPPAH	mg/kg dw	0,41	0,50	0,005	3,9	0,15
Benzo(b)fluoranthene	EPPAH	mg/kg dw	0,11	0,12	<0,003	2,1	0,053
Benzo(g,h,i)perylene	EPPAH	mg/kg dw	0,17	0,22	<0,003	2,0	0,053
Benzo(k)fluoranthene	EPPAH	mg/kg dw	0,048	0,054	<0,003	0,98	0,026
Chrysene	EPPAH	mg/kg dw	0,26	0,27	0,008	5,1	0,15
Dibenz(a,h)anthracene	EPPAH	mg/kg dw	0,067	0,084	<0,003	1,0	0,020
Fluoranthene	EPPAH	mg/kg dw	0,47	0,44	0,021	7,5	0,33
Fluorene	EPPAH	mg/kg dw	0,13	0,11	0,082	1,4	0,26
Indeno(1,2,3-cd)pyrene	EPPAH	mg/kg dw	0,084	0,10	<0,003	1,6	0,033
Naphthalene	EPPAH	mg/kg dw	1,3	0,67	0,52	16	1,7
Phenanthrene	EPPAH	mg/kg dw	1,9	1,7	0,087	23	1,4
Pyrene	EPPAH	mg/kg dw	1,2	1,3	0,033	9,5	0,76
Total 16 EPA-PAH excl. LOQ	EPC07	mg/kg dw	8,5	8,2	1,0	95	7,0

Phenolic compounds

Phenol	AN2J9 mg/kg dw	0.22	0.11	0.11	0.41	0.20
2-Methylphenol	AN2JS mg/kg dw	2.7	1.2	< 0.05	0.48	0.21
3-Methylphenol	AN2JT mg/kg dw	5.5	1.8	< 0.05	0.88	0.51
4-Methylphenol	AN2J7 mg/kg dw	0.75	0.12	< 0.05	0.13	0.06
2,3-Dimethylphenol	AN6WN mg/kg dw	10	4.9	0.30	3.8	8.6
2,4-Dimethylphenol	AN2ML mg/kg dw	3.1	1.2	0.07	1.2	2.1
2,5-Dimethylphenol	ANSKM mg/kg dw	9.2	4.5	0.07	3.5	6.8
2,6-Dimethylphenol	ANBHG mg/kg dw	1.1	0.50	< 0.05	0.49	1.2
3,4-Dimethylphenol	AN2MM mg/kg dw	7.0	3.4	< 0.05	2.4	3.4
3,5-Dimethylphenol	ANBHH mg/kg dw	16	6.5	0.44	5.7	14
2,3,5-Trimethylphenol	AN2MN mg/kg dw	6.7	2.8	0.13	3.3	4.1
2,3,6-Trimethylphenol	AN2MP mg/kg dw	7.6	3.2	0.22	2.9	2.7
2,4,6-Trimethylphenol	ANG3D mg/kg dw	4.9	2.7	0.13	2.3	2.9
3,4,5-Trimethylphenol	AN2MQ mg/kg dw	1.1	0.45	< 0.05	0.52	0.66

Sample number	337-2020-00008383	337-2020-00008384	337-2020-00008385
Client sample code	Proov E4	Proov E5	Proov E6

Sample reference	Proov E4	Proov E5	Proov E6
Sample description	Soil	Soil	Soil
Sampling date and time	07.10.2020.00:00	07.10.2020.00:00	07.10.2020.00:00

Physico-chemical test

Dry matter	EPDRY %	93	87	94
Dry matter	AN01C % (w/w)	93.0	88.0	94.5

HYDROCARBONS

Nonpolar TPH C10-C21 ETPH	mg/kg dw	660	670	340
Nonpolar TPH C21-C40 ETPH	mg/kg dw	140	210	91
Nonpolar TPH C10-C40 ETPH	mg/kg dw	800	880	430

PAH

Eurofins Environment Testing Estonia OÜ

Paavli 5/3
10412 Tallinn
ESTONIA

estonia@eurofins.com
www.eurofins.ee

Business Registry Code: 12893983
VAT number: EE101823296



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Sample number	337-2020-00008383	337-2020-00008384	337-2020-00008385
Client sample code	Proov E4	Proov E5	Proov E6

Sample reference	Proov E4	Proov E5	Proov E6
Sample description	Soil	Soil	Soil
Sampling date and time	07.10.2020.00:00	07.10.2020.00:00	07.10.2020.00:00

Acenaphthene	EPPAH	mg/kg dw	0,17	0,26	0,16
Acenaphthylene	EPPAH	mg/kg dw	0,12	0,26	0,13
Anthracene	EPPAH	mg/kg dw	1,1	3,4	0,96
Benz(a)anthracene	EPPAH	mg/kg dw	0,65	2,3	0,57
Benzo(a)pyrene	EPPAH	mg/kg dw	0,36	1,4	0,37
Benzo(b)fluoranthene	EPPAH	mg/kg dw	0,12	0,67	0,14
Benzo(g,h,i)perylene	EPPAH	mg/kg dw	0,15	0,67	0,15
Benzo(k)fluoranthene	EPPAH	mg/kg dw	0,056	0,30	0,066
Chrysene	EPPAH	mg/kg dw	0,28	1,6	0,29
Dibenz(a,h)anthracene	EPPAH	mg/kg dw	0,063	0,30	0,060
Fluoranthene	EPPAH	mg/kg dw	0,55	3,4	0,63
Fluorene	EPPAH	mg/kg dw	0,20	0,38	0,22
Indeno(1,2,3-cd)pyrene	EPPAH	mg/kg dw	0,097	0,48	0,088
Naphthalene	EPPAH	mg/kg dw	2,1	2,6	1,8
Phenanthrene	EPPAH	mg/kg dw	1,8	8,8	1,9
Pyrene	EPPAH	mg/kg dw	1,1	5,0	1,1
Total 16 EPA-PAH excl. LOQ	EPC07	mg/kg dw	8,9	32	8,6

Phenolic compounds

Phenol	AN2J9	mg/kg dw	0.28	0.34	0.25
2-Methylphenol	AN2JS	mg/kg dw	0.26	0.56	0.47
3-Methylphenol	AN2JT	mg/kg dw	0.84	1.5	1.3
4-Methylphenol	AN2J7	mg/kg dw	0.10	0.17	0.16
2,3-Dimethylphenol	AN6WN	mg/kg dw	2.2	3.7	2.4
2,4-Dimethylphenol	AN2ML	mg/kg dw	0.60	0.98	0.57
2,5-Dimethylphenol	ANSKM	mg/kg dw	1.4	2.9	1.9
2,6-Dimethylphenol	ANBHG	mg/kg dw	0.26	0.41	0.25
3,4-Dimethylphenol	AN2MM	mg/kg dw	1.1	2.2	1.6
3,5-Dimethylphenol	ANBHH	mg/kg dw	2.8	6.3	3.4
2,3,5-Trimethylphenol	AN2MN	mg/kg dw	1.8	3.2	1.1
2,3,6-Trimethylphenol	AN2MP	mg/kg dw	1.4	2.6	1.3
2,4,6-Trimethylphenol	ANG3D	mg/kg dw	1.5	1.9	0.87
3,4,5-Trimethylphenol	AN2MQ	mg/kg dw	0.30	0.62	0.21



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Method information

Testcode	Parameter name	Default MU	Default LOQ	Accredited	Method	Laboratory
Physico-chemical test						
EPDRY	Dry matter	10% x <70% 3% x ≥70%	3	Yes	Internal method RA9000 based on ISO 11465:1993, Gravimetry	EP L272
AN01C	Dry matter		0.1	Yes	EN 14346: 2007-03	FR D-PL-14081-01 -00
HYDROCARBONS						
EPTPH	Nonpolar TPH C10-C21	40%	20	Yes	Internal Method RA9002A based on SFS-EN ISO 16703:2011, GC-FID	EP L272
EPTPH	Nonpolar TPH C21-C40	40%	20	Yes	Internal Method RA9002A based on SFS-EN ISO 16703:2011, GC-FID	EP L272
EPTPH	Nonpolar TPH C10-C40	40%	20	Yes	Internal Method RA9002A based on SFS-EN ISO 16703:2011, GC-FID	EP L272
PAH						
EPPAH	Acenaphthene	40%	0.003	Yes	ISO 18287:2005; CEN/TS 16181:2013; Reflab metode 4:2008 ; SPIMFAB (SPI MILJÖSANERINGSFOND AB – method of the Association of Swedish Oil Companies)	EP L272
EPPAH	Acenaphthylene	40%	0.003	Yes	ISO 18287:2005; CEN/TS 16181:2013; Reflab metode 4:2008 ; SPIMFAB (SPI MILJÖSANERINGSFOND AB – method of the Association of Swedish Oil Companies)	EP L272
EPPAH	Anthracene	40%	0.003	Yes	ISO 18287:2005; CEN/TS 16181:2013; Reflab metode 4:2008 ; SPIMFAB (SPI MILJÖSANERINGSFOND AB – method of the Association of Swedish Oil Companies)	EP L272
EPPAH	Benz(a)anthracene	40%	0.003	Yes	ISO 18287:2005; CEN/TS 16181:2013; Reflab metode 4:2008 ; SPIMFAB (SPI MILJÖSANERINGSFOND AB – method of the Association of Swedish Oil Companies)	EP L272
EPPAH	Benzo(a)pyrene	40%	0.003	Yes	ISO 18287:2005; CEN/TS 16181:2013; Reflab metode 4:2008 ; SPIMFAB (SPI MILJÖSANERINGSFOND AB – method of the Association of Swedish Oil Companies)	EP L272
EPPAH	Benzo(b)fluoranthene	40%	0.003	Yes	ISO 18287:2005; CEN/TS 16181:2013; Reflab metode 4:2008 ; SPIMFAB (SPI MILJÖSANERINGSFOND AB – method of the Association of Swedish Oil Companies)	EP L272



PAH						
EPPAH	Benzo(g,h,i)perylene	40%	0.003	Yes	ISO 18287:2005; CEN/TS 16181:2013; Reflab metode 4:2008 ; SPIMFAB (SPI MILJÖSANERINGSFOND AB – method of the Association of Swedish Oil Companies)	EP L272
EPPAH	Benzo(k)fluoranthene	40%	0.003	Yes	ISO 18287:2005; CEN/TS 16181:2013; Reflab metode 4:2008 ; SPIMFAB (SPI MILJÖSANERINGSFOND AB – method of the Association of Swedish Oil Companies)	EP L272
EPPAH	Chrysene	40%	0.003	Yes	ISO 18287:2005; CEN/TS 16181:2013; Reflab metode 4:2008 ; SPIMFAB (SPI MILJÖSANERINGSFOND AB – method of the Association of Swedish Oil Companies)	EP L272
EPPAH	Dibenz(a,h)anthracene	40%	0.003	Yes	ISO 18287:2005; CEN/TS 16181:2013; Reflab metode 4:2008 ; SPIMFAB (SPI MILJÖSANERINGSFOND AB – method of the Association of Swedish Oil Companies)	EP L272
EPPAH	Fluoranthene	40%	0.003	Yes	ISO 18287:2005; CEN/TS 16181:2013; Reflab metode 4:2008 ; SPIMFAB (SPI MILJÖSANERINGSFOND AB – method of the Association of Swedish Oil Companies)	EP L272
EPPAH	Fluorene	40%	0.003	Yes	ISO 18287:2005; CEN/TS 16181:2013; Reflab metode 4:2008 ; SPIMFAB (SPI MILJÖSANERINGSFOND AB – method of the Association of Swedish Oil Companies)	EP L272
EPPAH	Indeno(1,2,3-cd)pyrene	40%	0.003	Yes	ISO 18287:2005; CEN/TS 16181:2013; Reflab metode 4:2008 ; SPIMFAB (SPI MILJÖSANERINGSFOND AB – method of the Association of Swedish Oil Companies)	EP L272
EPPAH	Naphthalene	40%	0.003	Yes	ISO 18287:2005; CEN/TS 16181:2013; Reflab metode 4:2008 ; SPIMFAB (SPI MILJÖSANERINGSFOND AB – method of the Association of Swedish Oil Companies)	EP L272
EPPAH	Phenanthrene	40%	0.003	Yes	ISO 18287:2005; CEN/TS 16181:2013; Reflab metode 4:2008 ; SPIMFAB (SPI MILJÖSANERINGSFOND AB – method of the Association of Swedish Oil Companies)	EP L272
EPPAH	Pyrene	40%	0.003	Yes	ISO 18287:2005; CEN/TS 16181:2013; Reflab metode 4:2008 ; SPIMFAB (SPI MILJÖSANERINGSFOND AB – method of the Association of Swedish Oil Companies)	EP L272
EPC07	Total 16 EPA-PAH excl. LOQ			Yes		EP L272
Phenolic compounds						



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Phenolic compounds						
AN2J9	Phenol		0.05	Yes	ISO 14154: 2005-12	FR D-PL-14081-01-00
AN2JS	2-Methylphenol		0.05	Yes	ISO 14154: 2005-12	FR D-PL-14081-01-00
AN2JT	3-Methylphenol		0.05	Yes	ISO 14154: 2005-12	FR D-PL-14081-01-00
AN2J7	4-Methylphenol		0.05	Yes	ISO 14154: 2005-12	FR D-PL-14081-01-00
AN6WN	2,3-Dimethylphenol		0.05	Yes	ISO 14154: 2005-12	FR D-PL-14081-01-00
AN2ML	2,4-Dimethylphenol		0.05	Yes	ISO 14154: 2005-12	FR D-PL-14081-01-00
ANSKM	2,5-Dimethylphenol		0.05	Yes	ISO 14154: 2005-12	FR D-PL-14081-01-00
ANBHG	2,6-Dimethylphenol		0.05	Yes	ISO 14154: 2005-12	FR D-PL-14081-01-00
AN2MM	3,4-Dimethylphenol		0.05	Yes	ISO 14154: 2005-12	FR D-PL-14081-01-00
ANBHH	3,5-Dimethylphenol		0.05	Yes	ISO 14154: 2005-12	FR D-PL-14081-01-00
AN2MN	2,3,5-Trimethylphenol		0.05	Yes	ISO 14154: 2005-12	FR D-PL-14081-01-00
AN2MP	2,3,6-Trimethylphenol		0.05	Yes	ISO 14154: 2005-12	FR D-PL-14081-01-00
ANG3D	2,4,6-Trimethylphenol		0.05	Yes	ISO 14154: 2005-12	FR D-PL-14081-01-00
AN2MQ	3,4,5-Trimethylphenol		0.05	Yes	ISO 14154: 2005-12	FR D-PL-14081-01-00

Laboratory		
EP L272	Eurofins Environment Testing Estonia (Tallinn)	EAK acc num. EVS-EN ISO/IEC 17025:2006 EAK L272
FR	Eurofins Umwelt Ost GmbH (Freiburg)	DIN EN ISO/IEC 17025:2005 D-PL-14081-01-00
D-PL-14081-01-00		

Method
EN 14346: 2007-03 Internal method RA9000 based on Please ask the laboratory ISO 11465:1993 Internal Method RA9002A based on SFS-EN ISO 16703: ISO 14154: 2005-12 ISO 18287:2005



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SIGNATURE



Gerda Alekand

Müügijuht

GerdaAlekand@eurofins.com

Report electronically validated by

Additional information

Sampling person: Veiko Reinmets, Arto Pello, Liisa S. Karu, Siim Oja

Sampling location: Rehvitehas, Ida-Virumaa, Toila vald, Kohtla-Nõmme, Tööstuse tn 20.

Sample arrival date: 08.10.2020

Analysis was performed between sample arrival date and Analytical Report date.

EXPLANATORY NOTE

This certificate may only be copied as whole. The results apply solely to the samples received and analyzed. Conclusion and other comments are not accredited.