

# Lab tests – DeconFilter Pro S

2021-07-06



## Test method

The tests were carried out at a fire department and firefighter training facility in southern Sweden. Wastewater samples were taken from the Solo Rescue Decon Washer after a number of training exercises and rescue operations and were then sent to an external third-party laboratory for testing.

The water samples were taken at three (3) different occasions, and we have included the test results in its original form in this document.

### Water samples 2021-05-04

Before filtration: Ordernummer (order number) - **ST2111439\_1\_COA\_Standard\_AA\_sv-SE**  
(Page 2-4)

After filtration: Ordernummer (order number) - **ST2111439\_1\_COA\_Standard\_AD\_sv-SE**  
(Page 5-7)

### Water samples 2021-05-10

Before filtration: Ordernummer (order number) - **ST2112275\_1\_COA\_Standard\_AA\_sv-SE**  
(Page 8-10)

After filtration: Ordernummer (order number) - **ST2112275\_1\_COA\_Standard\_AD\_sv-SE**  
(Page 11-13)

### Water samples 2021-05-17

Before filtration: Ordernummer (order number) - **ST2112613\_1\_COA\_Standard\_AA\_sv-SE**  
(Page 14-16)

After filtration: Ordernummer (order number) - **ST2112613\_1\_COA\_Standard\_AD\_sv-SE**  
(Page 17-19)



This certificate replaces any previous certificate with the same number.

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## CERTIFICATE OF ANALYSIS

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Work Order	: ST2111439-AA	Page	: 1 of 3
Amendment	: 1		
Client	: RESCUE Intellitech AB	Project	: F2Y
Contact	: Robin Serruys	Purchase Number	: ----
Address	: Jägershillsgatan 26 213 75 Malmö Sweden	Sampler	: Robin Serruys
E-mail	: rserruys@rescueintellitech.com	Site	: ----
Telephone	: ----	Date Samples Received	: 2021-05-06 12:15
C-O-C number	: ----	Date Analysis Commenced	: 2021-05-10
Quote number	: ST2020SE-RES-INT0001 (OF200043)	Issue Date	: 2021-08-31 13:44
		No. of samples received	: 1
		No. of samples analysed	: 1

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### General Comments

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release.

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### Workorder Comments

Version 1 - ändring avser rapport uppdelat per prov

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Signatories	Position
Niels-Kristian Terkildsen	Laboratory Manager

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Laboratory	: ALS Scandinavia AB Danderyd	Webpage	: <a href="http://www.alsglobal.com">www.alsglobal.com</a>
Address	: Rinkebyvägen 19C 182 36 Danderyd Sweden	E-mail	: <a href="mailto:info.ta@alsglobal.com">info.ta@alsglobal.com</a>
		Telephone	: +46 8 5277 5200



## Analytical Results

Parameter	Result	MU	Unit	LOR	Package	Method	Issuer		
								Client sample ID	F2Y-08.01
								Laboratory sample ID	ST2111439-001
								Client sampling date / time	2021-05-04
<b>Polycyclic Aromatics Hydrocarbons (PAHs)</b>									
Naphthalene	0.089	± 0.027	µg/L	0.030	OV-1	W-PAHGMS05	PR		
Acenaphthylene	0.150	± 0.045	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Acenaphthene	0.018	± 0.005	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Fluorene	0.098	± 0.029	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Phenanthrene	0.986	± 0.296	µg/L	0.020	OV-1	W-PAHGMS05	PR		
Anthracene	0.127	± 0.038	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Fluoranthene	0.471	± 0.141	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Pyrene	0.350	± 0.105	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Benz(a)anthracene	0.034	± 0.010	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Chrysene	0.039	± 0.012	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Benzo(b)fluoranthene	0.039	± 0.012	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Benzo(k)fluoranthene	0.012	± 0.004	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Benzo(a)pyrene	<0.0100	----	µg/L	0.0100	OV-1	W-PAHGMS05	PR		
Dibenz(a,h)anthracene	<0.010	----	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Benzo(g,h,i)perylene	0.010	± 0.003	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Indeno(1.2.3.cd)pyrene	0.013	± 0.004	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Sum of 16 PAH (M1)	2.44	----	µg/L	0.0950	OV-1	W-PAHGMS05	PR		
Sum of carcinogenic PAH (M1)	0.137	----	µg/L	0.0350	OV-1	W-PAHGMS05	PR		
Sum of other PAH (M1)	2.30	----	µg/L	0.060	OV-1	W-PAHGMS05	PR		
Sum of PAH L (M1)	0.257	----	µg/L	0.0300	OV-1	W-PAHGMS05	PR		
Sum of PAH M (M1)	2.03	----	µg/L	0.030	OV-1	W-PAHGMS05	PR		
Sum of PAH H (M1)	0.147	----	µg/L	0.0400	OV-1	W-PAHGMS05	PR		

The end of result part of the certificate of analysis

## Brief Method Summaries

Analytical Methods	Method Reference
W-PAHGMS05	CZ_SOP_D06_03_161 (US EPA 8270D, US EPA 8082A, CSN EN ISO 6468, US EPA 8000D, samples preparation as per CZ_SOP_D06_03_P01 chap. 9.1, 9.4.1). Determination of semi volatile organic compounds by gas chromatography method with MS or MS/MS detection and calculation of semi volatile organic compounds sums from measured values

**Key:** LOR = Limit of reporting represents the standard LOR for the respective parameters in each method. Note that limits of reporting may be affected if, e.g. additional dilution was required because of matrix effects, or the sample quantity was limited.

MU = Measurement Uncertainty

\* = Symbol succeeding any result indicates laboratory or subcontractor non-accredited test.

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Measurement of uncertainty is reported only for detected substances with levels above the reporting limits.

The uncertainty from subcontractors is often given as extended uncertainty calculated with a coverage factor of 2. Contact the laboratory for further information.



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**Issuing lab**

	<b>Issuer</b>
PR	<i>The analysis is provided by</i> ALS Czech Republic, s.r.o., Na Harfe 336/9 Prague 9 - Vysocany Czech Republic 190 00 Accredited by: CAI Accreditation Number: 1163



This certificate replaces any previous certificate with the same number.

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## CERTIFICATE OF ANALYSIS

---

Work Order	: ST2111439-AD	Page	: 1 of 3
Amendment	: 1		
Client	: RESCUE Intellitech AB	Project	: F2Y
Contact	: Robin Serruys	Purchase Number	: ----
Address	: Jägershillsgatan 26 213 75 Malmö Sweden	Sampler	: Robin Serruys
E-mail	: rserruys@rescueintellitech.com	Site	: ----
Telephone	: ----	Date Samples Received	: 2021-05-06 12:15
C-O-C number	: ----	Date Analysis Commenced	: 2021-05-10
Quote number	: ST2020SE-RES-INT0001 (OF200043)	Issue Date	: 2021-08-31 13:45
		No. of samples received	: 1
		No. of samples analysed	: 1

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Signatories	Position
Niels-Kristian Terkildsen	Laboratory Manager

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Address	: Rinkebyvägen 19C 182 36 Danderyd Sweden	E-mail	: <a href="mailto:info.ta@alsglobal.com">info.ta@alsglobal.com</a>
		Telephone	: +46 8 5277 5200



## Analytical Results

Parameter	Result	MU	Unit	LOR	Package	Method	Issuer		
								Client sample ID	F2Y-08.04
								Laboratory sample ID	ST2111439-004
								Client sampling date / time	2021-05-04
<b>Polycyclic Aromatics Hydrocarbons (PAHs)</b>									
Naphthalene	<0.030	----	µg/L	0.030	OV-1	W-PAHGMS05	PR		
Acenaphthylene	<0.010	----	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Acenaphthene	<0.010	----	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Fluorene	<0.010	----	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Phenanthrene	<0.020	----	µg/L	0.020	OV-1	W-PAHGMS05	PR		
Anthracene	<0.010	----	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Fluoranthene	<0.010	----	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Pyrene	<0.010	----	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Benz(a)anthracene	<0.010	----	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Chrysene	<0.010	----	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Benzo(b)fluoranthene	<0.010	----	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Benzo(k)fluoranthene	<0.010	----	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Benzo(a)pyrene	<0.0100	----	µg/L	0.0100	OV-1	W-PAHGMS05	PR		
Dibenz(a,h)anthracene	<0.010	----	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Benzo(g,h,i)perylene	<0.010	----	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Indeno(1.2.3.cd)pyrene	<0.010	----	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Sum of 16 PAH (M1)	<0.0950	----	µg/L	0.0950	OV-1	W-PAHGMS05	PR		
Sum of carcinogenic PAH (M1)	<0.0350	----	µg/L	0.0350	OV-1	W-PAHGMS05	PR		
Sum of other PAH (M1)	<0.060	----	µg/L	0.060	OV-1	W-PAHGMS05	PR		
Sum of PAH L (M1)	<0.0250	----	µg/L	0.0300	OV-1	W-PAHGMS05	PR		
Sum of PAH M (M1)	<0.030	----	µg/L	0.030	OV-1	W-PAHGMS05	PR		
Sum of PAH H (M1)	<0.0400	----	µg/L	0.0400	OV-1	W-PAHGMS05	PR		

The end of result part of the certificate of analysis

## Brief Method Summaries

Analytical Methods	Method Reference
W-PAHGMS05	CZ_SOP_D06_03_161 (US EPA 8270D, US EPA 8082A, CSN EN ISO 6468, US EPA 8000D, samples preparation as per CZ_SOP_D06_03_P01 chap. 9.1, 9.4.1). Determination of semi volatile organic compounds by gas chromatography method with MS or MS/MS detection and calculation of semi volatile organic compounds sums from measured values

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**Issuing lab**

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## CERTIFICATE OF ANALYSIS

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Work Order	: ST2112275-AA	Page	: 1 of 3
Amendment	: 1		
Client	: RESCUE Intellitech AB	Project	: F2Y
Contact	: Johan Tegle	Purchase Number	: ----
Address	: Jägershillsgatan 26 213 75 Malmö Sweden	Sampler	: Jonnas Rämmal
E-mail	: jtegle@rescueintellitech.com	Site	: ----
Telephone	: ----	Date Samples Received	: 2021-05-14 11:58
C-O-C number	: ----	Date Analysis Commenced	: 2021-05-18
Quote number	: ST2020SE-RES-INT0001 (OF200043)	Issue Date	: 2021-08-31 13:51
		No. of samples received	: 1
		No. of samples analysed	: 1

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Signatories	Position
Niels-Kristian Terkildsen	Laboratory Manager

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		Telephone	: +46 8 5277 5200



## Analytical Results

Parameter	Result	MU	Unit	LOR	Package	Method	Issuer		
								Client sample ID	F2Y-09.01
								Laboratory sample ID	ST2112275-001
								Client sampling date / time	2021-05-10
<b>Polycyclic Aromatics Hydrocarbons (PAHs)</b>									
Naphthalene	0.843	± 0.253	µg/L	0.030	OV-1	W-PAHGMS05	PR		
Acenaphthylene	0.362	± 0.109	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Acenaphthene	0.045	± 0.013	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Fluorene	0.414	± 0.124	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Phenanthrene	2.48	± 0.744	µg/L	0.020	OV-1	W-PAHGMS05	PR		
Anthracene	0.373	± 0.112	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Fluoranthene	1.17	± 0.352	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Pyrene	0.988	± 0.296	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Benz(a)anthracene	0.175	± 0.052	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Chrysene	0.179	± 0.054	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Benzo(b)fluoranthene	0.244	± 0.073	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Benzo(k)fluoranthene	0.061	± 0.018	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Benzo(a)pyrene	0.130	± 0.0390	µg/L	0.0100	OV-1	W-PAHGMS05	PR		
Dibenz(a,h)anthracene	0.016	± 0.005	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Benzo(g,h,i)perylene	0.089	± 0.027	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Indeno(1.2.3.cd)pyrene	0.105	± 0.031	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Sum of 16 PAH (M1)	7.67	----	µg/L	0.0950	OV-1	W-PAHGMS05	PR		
Sum of carcinogenic PAH (M1)	0.910	----	µg/L	0.0350	OV-1	W-PAHGMS05	PR		
Sum of other PAH (M1)	6.76	----	µg/L	0.060	OV-1	W-PAHGMS05	PR		
Sum of PAH L (M1)	1.25	----	µg/L	0.0300	OV-1	W-PAHGMS05	PR		
Sum of PAH M (M1)	5.42	----	µg/L	0.030	OV-1	W-PAHGMS05	PR		
Sum of PAH H (M1)	0.999	----	µg/L	0.0400	OV-1	W-PAHGMS05	PR		

The end of result part of the certificate of analysis

## Brief Method Summaries

Analytical Methods	Method Reference
W-PAHGMS05	CZ_SOP_D06_03_161 (US EPA 8270D, US EPA 8082A, CSN EN ISO 6468, US EPA 8000D, samples preparation as per CZ_SOP_D06_03_P01 chap. 9.1, 9.4.1). Determination of semi volatile organic compounds by gas chromatography method with MS or MS/MS detection and calculation of semi volatile organic compounds sums from measured values

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**Issuing lab**

	<b>Issuer</b>
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## CERTIFICATE OF ANALYSIS

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Work Order	: ST2112275-AD	Page	: 1 of 3
Amendment	: 1		
Client	: RESCUE Intellitech AB	Project	: F2Y
Contact	: Johan Tegle	Purchase Number	: ----
Address	: Jägershillsgatan 26 213 75 Malmö Sweden	Sampler	: Jonnas Rämmal
E-mail	: jtegle@rescueintellitech.com	Site	: ----
Telephone	: ----	Date Samples Received	: 2021-05-14 11:58
C-O-C number	: ----	Date Analysis Commenced	: 2021-05-18
Quote number	: ST2020SE-RES-INT0001 (OF200043)	Issue Date	: 2021-08-31 13:51
		No. of samples received	: 1
		No. of samples analysed	: 1

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### Workorder Comments

Version 1 - ändring avser rapport uppdelat per prov

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Signatories	Position
Niels-Kristian Terkildsen	Laboratory Manager

---

Laboratory	: ALS Scandinavia AB Danderyd	Webpage	: <a href="http://www.alsglobal.com">www.alsglobal.com</a>
Address	: Rinkebyvägen 19C 182 36 Danderyd Sweden	E-mail	: <a href="mailto:info.ta@alsglobal.com">info.ta@alsglobal.com</a>
		Telephone	: +46 8 5277 5200



## Analytical Results

Sub-Matrix: WASTE WATER		Client sample ID		F2Y-09.04			
		Laboratory sample ID		ST2112275-004			
		Client sampling date / time		2021-05-10			
Parameter	Result	MU	Unit	LOR	Package	Method	Issuer
<b>Polycyclic Aromatics Hydrocarbons (PAHs)</b>							
Naphthalene	<0.030	----	µg/L	0.030	OV-1	W-PAHGMS05	PR
Acenaphthylene	<0.010	----	µg/L	0.010	OV-1	W-PAHGMS05	PR
Acenaphthene	<0.010	----	µg/L	0.010	OV-1	W-PAHGMS05	PR
Fluorene	<0.010	----	µg/L	0.010	OV-1	W-PAHGMS05	PR
Phenanthrene	<0.020	----	µg/L	0.020	OV-1	W-PAHGMS05	PR
Anthracene	<0.010	----	µg/L	0.010	OV-1	W-PAHGMS05	PR
Fluoranthene	0.013	± 0.004	µg/L	0.010	OV-1	W-PAHGMS05	PR
Pyrene	0.016	± 0.005	µg/L	0.010	OV-1	W-PAHGMS05	PR
Benzo(a)anthracene	<0.010	----	µg/L	0.010	OV-1	W-PAHGMS05	PR
Chrysene	<0.010	----	µg/L	0.010	OV-1	W-PAHGMS05	PR
Benzo(b)fluoranthene	0.022	± 0.006	µg/L	0.010	OV-1	W-PAHGMS05	PR
Benzo(k)fluoranthene	<0.010	----	µg/L	0.010	OV-1	W-PAHGMS05	PR
Benzo(a)pyrene	0.0131	± 0.0039	µg/L	0.0100	OV-1	W-PAHGMS05	PR
Dibenz(a,h)anthracene	<0.010	----	µg/L	0.010	OV-1	W-PAHGMS05	PR
Benzo(g,h,i)perylene	0.027	± 0.008	µg/L	0.010	OV-1	W-PAHGMS05	PR
Indeno(1.2.3.cd)pyrene	0.028	± 0.008	µg/L	0.010	OV-1	W-PAHGMS05	PR
Sum of 16 PAH (M1)	0.119	----	µg/L	0.0950	OV-1	W-PAHGMS05	PR
Sum of carcinogenic PAH (M1)	0.0631	----	µg/L	0.0350	OV-1	W-PAHGMS05	PR
Sum of other PAH (M1)	0.056	----	µg/L	0.060	OV-1	W-PAHGMS05	PR
Sum of PAH L (M1)	<0.0250	----	µg/L	0.0300	OV-1	W-PAHGMS05	PR
Sum of PAH M (M1)	0.029	----	µg/L	0.030	OV-1	W-PAHGMS05	PR
Sum of PAH H (M1)	0.0901	----	µg/L	0.0400	OV-1	W-PAHGMS05	PR

The end of result part of the certificate of analysis

## Brief Method Summaries

Analytical Methods	Method Reference
W-PAHGMS05	CZ_SOP_D06_03_161 (US EPA 8270D, US EPA 8082A, CSN EN ISO 6468, US EPA 8000D, samples preparation as per CZ_SOP_D06_03_P01 chap. 9.1, 9.4.1). Determination of semi volatile organic compounds by gas chromatography method with MS or MS/MS detection and calculation of semi volatile organic compounds sums from measured values

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## CERTIFICATE OF ANALYSIS

Work Order	: ST2112613-AA	Page	: 1 of 3
Amendment	: 1		
Client	: RESCUE Intellitech AB	Project	: F2Y
Contact	: Johan Tegle	Purchase Number	: ----
Address	: Jägershillsgatan 26 213 75 Malmö Sweden	Sampler	: Jonnas Rämmal
E-mail	: jtegle@rescueintellitech.com	Site	: ----
Telephone	: ----	Date Samples Received	: 2021-05-18 13:56
C-O-C number	: ----	Date Analysis Commenced	: 2021-05-20
Quote number	: ST2020SE-RES-INT0001 (OF200043)	Issue Date	: 2021-08-31 13:51
		No. of samples received	: 1
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### General Comments

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This certificate represents the original certificate and may not be modified or reproduced other than in full, except with the prior written approval of the issuing lab. The results apply only to the material that has been identified, received, and tested. Regarding the laboratory's liability in relation to assignment, please refer to our website <http://www.alsglobal.se>

### Workorder Comments

Version 1 - ändring avser rapport uppdelat per prov

Signatories	Position
Niels-Kristian Terkildsen	Laboratory Manager

Laboratory	: ALS Scandinavia AB Danderyd	Webpage	: <a href="http://www.alsglobal.com">www.alsglobal.com</a>
Address	: Rinkebyvägen 19C 182 36 Danderyd Sweden	E-mail	: <a href="mailto:info.ta@alsglobal.com">info.ta@alsglobal.com</a>
		Telephone	: +46 8 5277 5200



## Analytical Results

Parameter	Result	MU	Unit	LOR	Package	Method	Issuer		
								Client sample ID	F2Y-10.01
								Laboratory sample ID	ST2112613-001
								Client sampling date / time	2021-05-17
<b>Polycyclic Aromatics Hydrocarbons (PAHs)</b>									
Naphthalene	0.504	± 0.151	µg/L	0.030	OV-1	W-PAHGMS05	PR		
Acenaphthylene	0.679	± 0.204	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Acenaphthene	0.045	± 0.014	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Fluorene	0.270	± 0.081	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Phenanthrene	1.94	± 0.582	µg/L	0.020	OV-1	W-PAHGMS05	PR		
Anthracene	0.288	± 0.086	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Fluoranthene	1.48	± 0.443	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Pyrene	1.10	± 0.329	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Benz(a)anthracene	0.280	± 0.084	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Chrysene	0.328	± 0.098	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Benzo(b)fluoranthene	0.289	± 0.087	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Benzo(k)fluoranthene	0.116	± 0.035	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Benzo(a)pyrene	0.148	± 0.0445	µg/L	0.0100	OV-1	W-PAHGMS05	PR		
Dibenz(a,h)anthracene	0.026	± 0.008	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Benzo(g,h,i)perylene	0.100	± 0.030	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Indeno(1.2.3.cd)pyrene	0.112	± 0.033	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Sum of 16 PAH (M1)	7.70	----	µg/L	0.0950	OV-1	W-PAHGMS05	PR		
Sum of carcinogenic PAH (M1)	1.30	----	µg/L	0.0350	OV-1	W-PAHGMS05	PR		
Sum of other PAH (M1)	6.41	----	µg/L	0.060	OV-1	W-PAHGMS05	PR		
Sum of PAH L (M1)	1.23	----	µg/L	0.0300	OV-1	W-PAHGMS05	PR		
Sum of PAH M (M1)	5.08	----	µg/L	0.030	OV-1	W-PAHGMS05	PR		
Sum of PAH H (M1)	1.40	----	µg/L	0.0400	OV-1	W-PAHGMS05	PR		

The end of result part of the certificate of analysis

## Brief Method Summaries

Analytical Methods	Method Reference
W-PAHGMS05	CZ_SOP_D06_03_161 (US EPA 8270D, US EPA 8082A, CSN EN ISO 6468, US EPA 8000D, samples preparation as per CZ_SOP_D06_03_P01 chap. 9.1, 9.4.1). Determination of semi volatile organic compounds by gas chromatography method with MS or MS/MS detection and calculation of semi volatile organic compounds sums from measured values

**Key:** LOR = Limit of reporting represents the standard LOR for the respective parameters in each method. Note that limits of reporting may be affected if, e.g. additional dilution was required because of matrix effects, or the sample quantity was limited.

MU = Measurement Uncertainty

\* = Symbol succeeding any result indicates laboratory or subcontractor non-accredited test.

### Measurement Uncertainty:

The uncertainty is given as extended uncertainty (according to the definition in "Guide to the Expression of Measurement", JCGM 100:2008 Corrected version 2010) calculated with a coverage factor of 2, which give level of approximately 95%.

Measurement of uncertainty is reported only for detected substances with levels above the reporting limits.

The uncertainty from subcontractors is often given as extended uncertainty calculated with a coverage factor of 2. Contact the laboratory for further information.



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**Issuing lab**

	<i>Issuer</i>
PR	<i>The analysis is provided by ALS Czech Republic, s.r.o., Na Harfe 336/9 Prague 9 - Vysocany Czech Republic 190 00 Accredited by: CAI Accreditation Number: 1163</i>



This certificate replaces any previous certificate with the same number.

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## CERTIFICATE OF ANALYSIS

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Work Order	: ST2112613-AD	Page	: 1 of 3
Amendment	: 1		
Client	: RESCUE Intellitech AB	Project	: F2Y
Contact	: Johan Tegle	Purchase Number	: ----
Address	: Jägershillsgatan 26 213 75 Malmö Sweden	Sampler	: Jonnas Rämmal
E-mail	: jtegle@rescueintellitech.com	Site	: ----
Telephone	: ----	Date Samples Received	: 2021-05-18 13:56
C-O-C number	: ----	Date Analysis Commenced	: 2021-05-20
Quote number	: ST2020SE-RES-INT0001 (OF200043)	Issue Date	: 2021-08-31 13:52
		No. of samples received	: 1
		No. of samples analysed	: 1

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### Workorder Comments

Version 1 - ändring avser rapport uppdelat per prov

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Signatories	Position
Niels-Kristian Terkildsen	Laboratory Manager

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Laboratory	: ALS Scandinavia AB Danderyd	Webpage	: <a href="http://www.alsglobal.com">www.alsglobal.com</a>
Address	: Rinkebyvägen 19C 182 36 Danderyd Sweden	E-mail	: <a href="mailto:info.ta@alsglobal.com">info.ta@alsglobal.com</a>
		Telephone	: +46 8 5277 5200



## Analytical Results

Parameter	Result	MU	Unit	LOR	Package	Method	Issuer		
								Client sample ID	F2Y-10.04
								Laboratory sample ID	ST2112613-004
								Client sampling date / time	2021-05-17
<b>Polycyclic Aromatics Hydrocarbons (PAHs)</b>									
Naphthalene	<0.030	----	µg/L	0.030	OV-1	W-PAHGMS05	PR		
Acenaphthylene	0.015	± 0.005	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Acenaphthene	<0.010	----	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Fluorene	<0.010	----	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Phenanthrene	<0.020	----	µg/L	0.020	OV-1	W-PAHGMS05	PR		
Anthracene	<0.010	----	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Fluoranthene	0.030	± 0.009	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Pyrene	0.033	± 0.010	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Benz(a)anthracene	0.014	± 0.004	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Chrysene	0.035	± 0.010	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Benzo(b)fluoranthene	0.116	± 0.035	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Benzo(k)fluoranthene	0.044	± 0.013	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Benzo(a)pyrene	0.0576	± 0.0173	µg/L	0.0100	OV-1	W-PAHGMS05	PR		
Dibenz(a,h)anthracene	0.022	± 0.007	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Benzo(g,h,i)perylene	0.076	± 0.023	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Indeno(1.2.3.cd)pyrene	0.088	± 0.026	µg/L	0.010	OV-1	W-PAHGMS05	PR		
Sum of 16 PAH (M1)	0.531	----	µg/L	0.0950	OV-1	W-PAHGMS05	PR		
Sum of carcinogenic PAH (M1)	0.377	----	µg/L	0.0350	OV-1	W-PAHGMS05	PR		
Sum of other PAH (M1)	0.154	----	µg/L	0.060	OV-1	W-PAHGMS05	PR		
Sum of PAH L (M1)	0.0150	----	µg/L	0.0300	OV-1	W-PAHGMS05	PR		
Sum of PAH M (M1)	0.063	----	µg/L	0.030	OV-1	W-PAHGMS05	PR		
Sum of PAH H (M1)	0.453	----	µg/L	0.0400	OV-1	W-PAHGMS05	PR		

The end of result part of the certificate of analysis

## Brief Method Summaries

Analytical Methods	Method Reference
W-PAHGMS05	CZ_SOP_D06_03_161 (US EPA 8270D, US EPA 8082A, CSN EN ISO 6468, US EPA 8000D, samples preparation as per CZ_SOP_D06_03_P01 chap. 9.1, 9.4.1). Determination of semi volatile organic compounds by gas chromatography method with MS or MS/MS detection and calculation of semi volatile organic compounds sums from measured values

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