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October 22<sup>nd</sup> 2025

## Analysis Report 240425012-2

Order No. Customer: -  
Project Name: -  
Sampling: by Customer  
Sample Transport: via Laboratorien Dr. Döring GmbH  
Sample Reception: 13.12.2024  
Period of Measurement: 13.12.2024 – 22.08.2025  
Sample Number: 181117 / 24, 25147274  
Sample Material: Soil  
Packaging: White glass (0,8 L)  
Remarks: Grain distribution in the appendix, Adoption of values from the previous analysis report  
Sonstiges: The measurement error in these tests is within the usual range. We will gladly provide you with further details upon request. Lists of measurement uncertainties can be viewed on the homepage. The test results refer exclusively to the specified test items. Information on outsourcing and accreditation under measurement procedures. Any reproduction of an extract from this test report requires the written permission of Laboratorien Dr. Döring GmbH. Any totals shown for individual parameters are calculated automatically. Sums are created purely numerically and the digits given do not correspond to significance. Determination limits can vary depending on the matrix/initial weight.  
Results of Analysis: Pages 3 – 10  
Measurement Methods: Page 2  
Quality Check:

Dr. Dirk Schlüter  
(Project Manager)

Dr. Joachim Döring  
(CEO)

| Method                                     | Norm   | Measurement uncertainty [%] |
|--|--|-----------------------------|
| Sample preparation                         | DIN 19747: 2009-07 <sup>1)</sup>   | -                           |
| Dry matter                                 | DIN EN 14346: 2007-03 <sup>1)</sup>  | 3                           |
| TOC  | DIN EN 15936: 2012-11 <sup>1)</sup>  | 16                          |
| Hydrocarbons (GC;F)                        | DIN EN 14039: 2005-01 DIN EN 14039: 2005-1: i.V. mit LAGA KW/04: 2019-09 <sup>1)</sup> | 22                          |
| Cyanide                                    | DIN ISO 11262: 2012-04 <sup>1)</sup>   | 21                          |
| EOX  | DIN 38414-17 (S17): 2017-01 <sup>1)</sup>  | 25                          |
| Digestion                                  | DIN EN 13657: 2003-01 <sup>1)</sup>  | -                           |
| Arsenic                                    | DIN EN ISO 17294-2 (E29): 2017-01 <sup>1)</sup>  | 23                          |
| Lead                                       | DIN EN ISO 17294-2 (E29): 2017-01 <sup>1)</sup>  | 21                          |
| Cadmium                                    | DIN EN ISO 17294-2 (E29): 2017-01 <sup>1)</sup>  | 25                          |
| Chrome, in total                           | DIN EN ISO 17294-2 (E29): 2017-01 <sup>1)</sup>  | 24                          |
| Copper                                     | DIN EN ISO 17294-2 (E29): 2017-01 <sup>1)</sup>  | 12                          |
| Nickel                                     | DIN EN ISO 17294-2 (E29): 2017-01 <sup>1)</sup>  | 28                          |
| Mercury                                    | DIN EN ISO 12846 (E12): 2012-08 <sup>1)</sup>  | 22                          |
| Thallium                                   | DIN EN ISO 17294-2 (E29): 2017-01 <sup>1)</sup>  | -                           |
| Zinc                                       | DIN EN ISO 17294-2 (E29): 2017-01 <sup>1)</sup>  | 26                          |
| PCB  | DIN EN 15308: 2016-12 <sup>1)</sup>  | 31                          |
| PAH  | DIN ISO 18287: 2006-05 <sup>1)</sup>   | 32                          |
| BTEX                                       | DIN EN ISO 22155: 2016-07 <sup>1)</sup>  | 28                          |
| LHKW                                       | DIN EN ISO 22155: 2016-07 <sup>1)</sup>  | 35                          |
| Phosphorous, in total                      | DIN EN ISO 11885 (E22): 2009-09 <sup>1)</sup>  | -                           |
| Nitrogen, in total                         | DIN 11261b <sup>1)</sup>   | -                           |
| Organotin compounds                        | DIN 38107-13 (F13): 2001-03 <sup>1)</sup>  | -                           |
| Hexachlorobenzene                          | DIN ISO 10382: 2003-05 <sup>1)</sup>   | 30                          |
| Pentachlorophenole                         | DIN ISO 14154: 2005-12 <sup>1)</sup>   | 30                          |
| Organochlorine insecticides                | DIN 38407-2 (F2, GC/MS) <sup>1)</sup>  | -                           |
| Grain distribution                         | DIN 18123: 2011 <sup>1)</sup>  | -                           |
| Eluate 10:1                                | DIN EN 12457-4: 2003-01 <sup>1)</sup>  | -                           |
| Eluate 2:1                                 | DIN 19529: 2015-12 <sup>1)</sup>   | -                           |
| pH value (W,E)                             | DIN EN ISO 10523 (C5): 2012-04 <sup>1)</sup>   | abs. 0,4                    |
| el. conductivity (E)                       | DIN EN 27888 (C8): 1993-11 <sup>1)</sup>   | 11                          |
| Phenol index                               | DIN 38409-16 (H16): 1984-06 <sup>1)</sup>  | 48                          |
| Cyanide (W)                                | DIN 38405-13 (D13): 2011-04 <sup>1)</sup>  | 11                          |
| Chloride                                   | DIN EN ISO 17294-2 (E29): 2017-01 <sup>1)</sup>  | 15                          |
| Sulfate                                    | DIN EN ISO 17294-2 (E29): 2017-01 <sup>1)</sup>  | 17                          |
| Arsenic                                    | DIN EN ISO 17294-2 (E29): 2017-01 <sup>1)</sup>  | 16                          |
| Lead                                       | DIN EN ISO 17294-2 (E29): 2017-01 <sup>1)</sup>  | 12                          |
| Cadmium                                    | DIN EN ISO 17294-2 (E29): 2017-01 <sup>1)</sup>  | 16                          |
| Chrome, in total                           | DIN EN ISO 17294-2 (E29): 2017-01 <sup>1)</sup>  | 14                          |
| Copper                                     | DIN EN ISO 17294-2 (E29): 2017-01 <sup>1)</sup>  | 16                          |
| Nickel                                     | DIN EN ISO 17294-2 (E29): 2017-01 <sup>1)</sup>  | 12                          |
| Mercury                                    | DIN EN ISO 12846 (E12): 2012-08 <sup>1)</sup>  | 25                          |
| Thallium (E)                               | DIN EN ISO 17294-2 (E29): 2017-01 <sup>1)</sup>  | -                           |
| Zinc (E)                                   | DIN EN ISO 17294-2 (E29): 2017-01 <sup>1)</sup>  | 16                          |
| PAH (E)                                    | DIN 38407-39 (F39): 2011-09 <sup>1)</sup>  | 27                          |
| PCB (E)                                    | DIN 38407-37 (F37): 2013-12 <sup>1)</sup>  | 27                          |
| Nitrogen/Carbon                            | DIN EN 12260:2003-12 analogue DIN EN 15936: 2012-11 <sup>1)</sup>                      | -                           |
| Density                                    | DIN 18125-2: 2020-11 <sup>1)</sup>   | -                           |
| Freeze drying                              | DIN 38414-S 22 <sup>1)</sup>   | -                           |
| Grain-size fractions                       | Sieve analysis according to the BfG method <sup>1)</sup>                               | -                           |
| (> 63, < 63, < 20µm)                       |  |                             |
| Separating the fine grain fraction < 20 µm | DIN 18123: 2011 <sup>1)</sup>  | -                           |

<sup>1)</sup> Laboratorien Dr. Döring GmbH, a testing laboratory accredited by DAkkS according to DIN EN ISO/IEC 17025:2018. The accreditation is valid only for the scope of accreditation listed in the certificate annex D-PL-13462-01-00

<sup>2)</sup> The testing was carried out on a subcontract basis by the accredited testing laboratory Chemisches Untersuchungsamt Emden GmbH

<sup>3)</sup> Laboratorien Dr. Döring GmbH, non-accredited measurement method

<sup>4)</sup> The testing was carried out on a subcontract basis by the testing laboratory Chemisches Untersuchungsamt Emden GmbH, non-accredited measurement method

<sup>5)</sup> The testing was carried out on a subcontract basis by the testing laboratory Chemisches Untersuchungsamt Emden GmbH, non-accredited measurement method, on newly received material.

Parameters according to LAGA 2004 1/3.

| Laboratory number                  |           | 181117                | Assignment values for the use of ground-like applications <sup>1)</sup> |       |         |
|------------------------------------|-----------|-----------------------|---|-------|---------|
| Sample name                        |           | <b>OW4-RAM-001-VC</b> | Z 0   | Z 1   | Z 2     |
| Sampling depth                     |           | 0,0-2,35m             |   |       |         |
| Parameter                          | Dimension |                       |   |       |         |
| Dry matter                         | %         | 88,9                  |   |       |         |
| TOC                                | %         | 0,85                  | 0,5   | 1,5   | 5,0     |
| Hydrocarbons, n-C <sub>10-22</sub> | mg/kg dm  | < 5                   | 200   | 300   | 1.000   |
| Hydrocarbons, n-C <sub>10-40</sub> | mg/kg dm  | 10                    | (400)   | (600) | (2.000) |
| Cyanide, in total                  | mg/kg dm  | < 0,05                |   | 3     | 10      |
| EOX                                | mg/kg dm  | 0,3                   | 1   | 3     | 10      |
| Arsenic                            | mg/kg dm  | 3,7                   | 15  | 45    | 150     |
| Lead                               | mg/kg dm  | 6,5                   | 140   | 210   | 700     |
| Cadmium                            | mg/kg dm  | < 0,1                 | 1   | 3,0   | 10      |
| Chrome                             | mg/kg dm  | 8,3                   | 120   | 180   | 600     |
| Copper                             | mg/kg dm  | 7,1                   | 80  | 120   | 400     |
| Nickel                             | mg/kg dm  | 9,5                   | 100   | 150   | 500     |
| Mercury                            | mg/kg dm  | < 0,1                 | 1   | 1,5   | 5,0     |
| Thallium                           | mg/kg dm  | < 0,1                 | 0,7   | 2,1   | 7,0     |
| Zinc                               | mg/kg dm  | 16                    | 300   | 450   | 1.500   |
| PCB 28                             | mg/kg dm  | < 0,001               |   |       |         |
| PCB 52                             | mg/kg dm  | < 0,001               |   |       |         |
| PCB 101                            | mg/kg dm  | 0,001                 |   |       |         |
| PCB 138                            | mg/kg dm  | 0,003                 |   |       |         |
| PCB 153                            | mg/kg dm  | 0,002                 |   |       |         |
| PCB 180                            | mg/kg dm  | 0,001                 |   |       |         |
| <b>Sum PCB (6 Kong.)</b>           | mg/kg dm  | <b>0,007</b>          | 0,1   | 0,15  | 0,5     |
| Naphthaline                        | mg/kg dm  | < 0,001               |   |       |         |
| Acenaphthylene                     | mg/kg dm  | < 0,001               |   |       |         |
| Acenaphthene                       | mg/kg dm  | < 0,001               |   |       |         |
| Fluorene                           | mg/kg dm  | 0,001                 |   |       |         |
| Phenanthrene                       | mg/kg dm  | 0,011                 |   |       |         |
| Anthracene                         | mg/kg dm  | 0,002                 |   |       |         |
| Fluoranthene                       | mg/kg dm  | 0,012                 |   |       |         |
| Pyrene                             | mg/kg dm  | 0,006                 |   |       |         |
| Benzo(a)anthracene                 | mg/kg dm  | 0,003                 |   |       |         |
| Chrysene                           | mg/kg dm  | 0,003                 |   |       |         |
| Benzo(b)fluoranthene               | mg/kg dm  | 0,002                 |   |       |         |
| Benzo(k)fluoranthene               | mg/kg dm  | < 0,001               |   |       |         |
| Benzo(a)pyrene                     | mg/kg dm  | < 0,001               | 0,6   | 0,9   | 3       |
| Indeno(1,2,3-cd)pyrene             | mg/kg dm  | < 0,001               |   |       |         |
| Dibenzo(a,h)anthracene             | mg/kg dm  | < 0,001               |   |       |         |
| Benzo(g,h,i)perylene               | mg/kg dm  | < 0,001               |   |       |         |
| <b>Sum PAH (EPA)</b>               | mg/kg dm  | <b>0,040</b>          | 3   | 3 (9) | 30      |
| C:N-ratio                          | -         | < 25                  |   |       |         |

<sup>1)</sup> Requirements for the material recycling of mineral waste, Part 2: Technical rules for recycling, 1.2 Soil material (TR Boden), as of: November 5, 2004, revision 00/05-2013, Table II. 1.2-2 + 4

\* Assignment values for soil material being used for backfilling excavations below the rooted soil layer.

**Parameters according to LAGA 2004 2/3.**

| Laboratory number        |           | 181117                | Assignment values for the use of ground-like applications <sup>1)</sup> |     |     |
|--------------------------|-----------|-----------------------|---|-----|-----|
| Sample name              |           | <b>OW4-RAM-001-VC</b> | Z 0   | Z 2 | Z 2 |
| Sampling depth           |           | 0,0-2,35m             |   |     |     |
| Parameter                | Dimension |                       |   |     |     |
| Benzene                  | mg/kg dm  | < 0,01                |   |     |     |
| Toluene                  | mg/kg dm  | < 0,01                |   |     |     |
| Ethylbenzene             | mg/kg dm  | < 0,01                |   |     |     |
| Xylois                   | mg/kg dm  | < 0,01                |   |     |     |
| <b>Sum BTEX</b>          | mg/kg dm  | <b>n.d.</b>           | 1   | 1   | 1   |
| Vinylchloride            | mg/kg dm  | < 0,01                |   |     |     |
| 1,1-Dichloroethene       | mg/kg dm  | < 0,01                |   |     |     |
| Dichloromethane          | mg/kg dm  | < 0,01                |   |     |     |
| 1,2-trans-Dichloroethene | mg/kg dm  | < 0,01                |   |     |     |
| 1,1-Dichloroethane       | mg/kg dm  | < 0,01                |   |     |     |
| 1,2-cis-Dichloroethene   | mg/kg dm  | < 0,01                |   |     |     |
| Tetrachloromethane       | mg/kg dm  | < 0,01                |   |     |     |
| 1,1,1-Trichloroethane    | mg/kg dm  | < 0,01                |   |     |     |
| Chloroforme              | mg/kg dm  | < 0,01                |   |     |     |
| 1,2-Dichloroethane       | mg/kg dm  | < 0,01                |   |     |     |
| Trichloroethene          | mg/kg dm  | < 0,01                |   |     |     |
| Dibromomethane           | mg/kg dm  | < 0,01                |   |     |     |
| Bromodichloromethane     | mg/kg dm  | < 0,01                |   |     |     |
| Tetrachloorethene        | mg/kg dm  | < 0,01                |   |     |     |
| 1,1,2-Trichloroethane    | mg/kg dm  | < 0,01                |   |     |     |
| Dibromochloromethane     | mg/kg dm  | < 0,01                |   |     |     |
| Tribromomethane          | mg/kg dm  | < 0,01                |   |     |     |
| <b>Sum LHKW</b>          | mg/kg dm  | <b>n.d.</b>           | 1   | 1   | 1   |

<sup>1)</sup> Requirements for the material recycling of mineral waste, Part 2: Technical rules for recycling, 1.2 Soil material (TR Boden), as of November 5, 2004, revision 00/05-2013, Table II. 1.2-2 + 4

\* Assignment values for soil material being used for backfilling excavations below the rooted soil layer.

Parameters according to LAGA 2004 3/3.

| Laboratory number        |           | 181117                          | Assignment values for the use of ground-like applications <sup>1)</sup> |         |        |        |
|--------------------------|-----------|---------------------------------|---|---------|--------|--------|
| Sample name              |           | <b>OW4-<br/>RAM-001-<br/>VC</b> | Z 0   | Z 1.1   | Z 1.2  | Z 2    |
| Sampling depth           |           | 0,0-2,35m                       |   |         |        |        |
| Parameter                | Dimension | 10:1 ELUATE                     |   |         |        |        |
| pH value at 20 °C        | -         | 9,4                             | 6,5-9,5   | 6,5-9,5 | 6,0-12 | 5,5-12 |
| el. conductivity at 25°C | µS/cm     | 255                             | 250   | 250     | 1.500  | 2.000  |
| Phenol index             | µg/L      | < 10                            | 20  | 20      | 40     | 100    |
| Cyanide, in total        | µg/L      | < 5                             | 5   | 5       | 10     | 20     |
| Chloride                 | mg/L      | 45                              | 30  | 30      | 50     | 100    |
| Sulfate                  | mg/L      | 27                              | 20  | 20      | 50     | 200    |
| Arsenic                  | µg/L      | 2,3                             | 14  | 14      | 20     | 60     |
| Lead                     | µg/L      | < 0,2                           | 40  | 40      | 80     | 200    |
| Cadmium                  | µg/L      | < 0,2                           | 1,5   | 1,5     | 3      | 6      |
| Chrome                   | µg/L      | < 0,3                           | 12,5  | 12,5    | 25     | 60     |
| Copper                   | µg/L      | < 2,0                           | 20  | 20      | 60     | 100    |
| Nickel                   | µg/L      | < 1,0                           | 15  | 15      | 20     | 70     |
| Mercury                  | µg/L      | < 0,1                           | < 0,5   | < 0,5   | 1      | 2      |
| Zinc                     | µg/L      | < 2,0                           | 150   | 150     | 200    | 600    |

<sup>1)</sup> Requirements for the material recycling of mineral waste, Part 2: Technical rules for recycling, 1.2 Soil material (TR Boden), as of: November 5, 2004, revision 00/05-2013, Table II. 1.2-2 + 4

**Parameters according to Ersatzbaustoffverordnung 1/2**

| Laboratory number                  |           | 181117                          | Material values for soil- and dredged material <sup>2)</sup> |                  |                |                |                |
|------------------------------------|-----------|---------------------------------|--|------------------|----------------|----------------|----------------|
| Sample name                        |           | <b>OW4-<br/>RAM-<br/>001-VC</b> | BM-0*<br>BG-0*   | BM-F0*<br>BG-F0* | BM-F1<br>BG-F1 | BM-F2<br>BG-F2 | BM-F3<br>BG-F3 |
| Sampling depth                     |           | 0,0-2,35m                       |  |                  |                |                |                |
| Parameter                          | Dimension |                                 |  |                  |                |                |                |
| Dry matter                         | %         | 88,9                            |  |                  |                |                |                |
| TOC                                | %         | 0,85                            | 1  | 5                | 5              | 5              | 5              |
| Hydrocarbons, n-C <sub>10-22</sub> | mg/kg dm  | < 5                             | 300  | 300              | 300            | 300            | 1.000          |
| Hydrocarbons, n-C <sub>10-40</sub> | mg/kg dm  | 10                              | 600  | 600              | 600            | 600            | 2.000          |
| EOX                                | mg/kg dm  | 0,3                             | 1  |                  |                |                |                |
| Arsenic                            | mg/kg dm  | 3,7                             | 20   | 40               | 40             | 40             | 150            |
| Lead                               | mg/kg dm  | 6,5                             | 140  | 140              | 140            | 140            | 700            |
| Cadmium                            | mg/kg dm  | < 0,1                           | 1  | 2                | 2              | 2              | 10             |
| Chrome                             | mg/kg dm  | 8,3                             | 120  | 120              | 120            | 120            | 600            |
| Copper                             | mg/kg dm  | 7,1                             | 80   | 80               | 80             | 80             | 320            |
| Nickel                             | mg/kg dm  | 9,5                             | 100  | 100              | 100            | 100            | 350            |
| Mercury                            | mg/kg dm  | < 0,1                           | 0,6  | 0,6              | 0,6            | 0,6            | 5              |
| Thallium                           | mg/kg dm  | < 0,1                           | 1,0  | 2                | 2              | 2              | 7              |
| Zinc                               | mg/kg dm  | 16                              | 300  | 300              | 300            | 300            | 1.200          |
| PCB 28                             | mg/kg dm  | < 0,001                         |  |                  |                |                |                |
| PCB 52                             | mg/kg dm  | < 0,001                         |  |                  |                |                |                |
| PCB 101                            | mg/kg dm  | 0,001                           |  |                  |                |                |                |
| PCB 118                            | mg/kg dm  | 0,001                           |  |                  |                |                |                |
| PCB 138                            | mg/kg dm  | 0,003                           |  |                  |                |                |                |
| PCB 153                            | mg/kg dm  | 0,002                           |  |                  |                |                |                |
| PCB 180                            | mg/kg dm  | 0,001                           |  |                  |                |                |                |
| <b>Sum PCB (7 Kong.)</b>           | mg/kg dm  | <b>0,008</b>                    | 0,1  |                  |                |                |                |
| Naphthaline                        | mg/kg dm  | < 0,001                         |  |                  |                |                |                |
| Acenaphthylene                     | mg/kg dm  | < 0,001                         |  |                  |                |                |                |
| Acenaphthene                       | mg/kg dm  | < 0,001                         |  |                  |                |                |                |
| Fluorene                           | mg/kg dm  | 0,001                           |  |                  |                |                |                |
| Phenanthrene                       | mg/kg dm  | 0,011                           |  |                  |                |                |                |
| Anthracene                         | mg/kg dm  | 0,002                           |  |                  |                |                |                |
| Fluoranthene                       | mg/kg dm  | 0,012                           |  |                  |                |                |                |
| Pyrene                             | mg/kg dm  | 0,006                           |  |                  |                |                |                |
| Benzo(a)anthracene                 | mg/kg dm  | 0,003                           |  |                  |                |                |                |
| Chrysene                           | mg/kg dm  | 0,003                           |  |                  |                |                |                |
| Benzo(b)fluoranthene               | mg/kg dm  | 0,002                           |  |                  |                |                |                |
| Benzo(k)fluoranthene               | mg/kg dm  | < 0,001                         |  |                  |                |                |                |
| Benzo(a)pyrene                     | mg/kg dm  | < 0,001                         |  |                  |                |                |                |
| Indeno(1,2,3-cd)pyrene             | mg/kg dm  | < 0,001                         |  |                  |                |                |                |
| Dibenzo(a,h)anthracene             | mg/kg dm  | < 0,001                         |  |                  |                |                |                |
| Benzo(g,h,i)perylene               | mg/kg dm  | < 0,001                         |  |                  |                |                |                |
| <b>Sum PAH (EPA)</b>               | mg/kg dm  | <b>0,040</b>                    | 6  | 6                | 6              | 9              | 30             |

<sup>2)</sup> Regulation for the introduction of a replacement building materials regulation, for a new version of the Bundes-Bodenschutz- and Altlastenverordnung and for modification of the Landfill Ordinance and Commercial Waste Ordinance, as of: July 9, 2021, Appendix 1 Table 3

Parameters according to Ersatzbaustoffverordnung 2/2

| Laboratory number                            |           | 181117                          | Material values for soil- and dredged material <sup>2)</sup> |                  |                |                |                |
|--|-----------|---------------------------------|--|------------------|----------------|----------------|----------------|
| Sample name                                  |           | <b>OW4-<br/>RAM-001-<br/>VC</b> | BM-0*<br>BG-0*   | BM-F0*<br>BG-F0* | BM-F1<br>BG-F1 | BM-F2<br>BG-F2 | BM-F3<br>BG-F3 |
| Sampling depth                               |           | 0,0-2,35m                       |  |                  |                |                |                |
| Parameter                                    | Dimension | 2:1 ELUATE                      |  |                  |                |                |                |
| pH value at 20 °C                            | -         | 9,1                             | 6,5-9,5  | 6,5-9,5          | 6,5-9,5        | 6,5-9,5        | 5,5-12,0       |
| el. conductivity at 25°C                     | µS/cm     | 821                             | 350  | 350              | 500            | 500            | 2.000          |
| Sulfate                                      | mg/L      | 100                             | 250  | 250              | 450            | 450            | 1.000          |
| Arsenic                                      | µg/L      | 2,5                             | 8  | 12               | 20             | 85             | 100            |
| Lead   | µg/L      | 0,3                             | 23   | 35               | 90             | 250            | 470            |
| Cadmium                                      | µg/L      | < 0,2                           | 2  | 3,0              | 3,0            | 10             | 15             |
| Chrome                                       | µg/L      | < 0,3                           | 10   | 15               | 150            | 290            | 530            |
| Copper                                       | µg/L      | < 2,0                           | 20   | 30               | 110            | 170            | 320            |
| Nickel                                       | µg/L      | < 1,0                           | 20   | 30               | 30             | 150            | 280            |
| Mercury                                      | µg/L      | < 0,1                           | 0,1  |                  |                |                |                |
| Thallium                                     | µg/L      | < 0,2                           | 0,2  |                  |                |                |                |
| Zinc   | µg/L      | < 2,0                           | 100  | 150              | 160            | 840            | 1.600          |
| PCB 28                                       | µg/L      | < 0,01                          |  |                  |                |                |                |
| PCB 52                                       | µg/L      | < 0,01                          |  |                  |                |                |                |
| PCB 101                                      | µg/L      | < 0,01                          |  |                  |                |                |                |
| PCB 118                                      | µg/L      | < 0,01                          |  |                  |                |                |                |
| PCB 138                                      | µg/L      | < 0,01                          |  |                  |                |                |                |
| PCB 153                                      | µg/L      | < 0,01                          |  |                  |                |                |                |
| PCB 180                                      | µg/L      | < 0,01                          |  |                  |                |                |                |
| <b>Sum PCB (7 Kong.)</b>                     | µg/L      | <b>n.d.</b>                     | 0,01   |                  |                |                |                |
| Acenaphthylene                               | µg/L      | < 0,1                           |  |                  |                |                |                |
| Acenaphthene                                 | µg/L      | < 0,1                           |  |                  |                |                |                |
| Fluorene                                     | µg/L      | < 0,1                           |  |                  |                |                |                |
| Phenanthrene                                 | µg/L      | < 0,1                           |  |                  |                |                |                |
| Anthracene                                   | µg/L      | < 0,1                           |  |                  |                |                |                |
| Fluoranthene                                 | µg/L      | < 0,01                          |  |                  |                |                |                |
| Pyrene                                       | µg/L      | < 0,05                          |  |                  |                |                |                |
| Benzo(a)anthracene                           | µg/L      | < 0,05                          |  |                  |                |                |                |
| Chrysene                                     | µg/L      | < 0,05                          |  |                  |                |                |                |
| Benzo(b)fluoranthene                         | µg/L      | < 0,01                          |  |                  |                |                |                |
| Benzo(k)fluoranthene                         | µg/L      | < 0,01                          |  |                  |                |                |                |
| Benzo(a)pyrene                               | µg/L      | < 0,01                          |  |                  |                |                |                |
| Indeno(1,2,3-cd)pyrene                       | µg/L      | < 0,01                          |  |                  |                |                |                |
| Dibenzo(a,h)anthracene                       | µg/L      | < 0,01                          |  |                  |                |                |                |
| Benzo(g,h,i)perylene                         | µg/L      | < 0,01                          |  |                  |                |                |                |
| <b>Sum PAH without naphthaline</b>           | µg/L      | <b>n.d.</b>                     | 0,2  | 0,3              | 1,5            | 3,8            | 20             |
| Naphthaline and Methyl-naphthaline, in total | µg/L      | < 0,1                           | 2  |                  |                |                |                |

<sup>2)</sup> Regulation for the introduction of a replacement building materials regulation, for a new version of the Bundes-Bodenschutz- and Altlastenverordnung and for modification of the Landfill Ordinance and Commercial Waste Ordinance, as of: July 9, 2021, Appendix 1 Table 3

Parameters according to GÜBAK 1/3

| Laboratory number             |                   | 181117                | Baltic Sea guideline values <sup>3)</sup> |       |
|-------------------------------|-------------------|-----------------------|---|-------|
| Sample name                   |                   | <b>OW4-RAM-001-VC</b> | R1  | R2    |
| Sampling depth                |                   | 0,0-2,35m             |   |       |
| Parameter                     | Dimension         | whole fraction        |   |       |
| Dry matter                    | %                 | 88,9                  |   |       |
| TOC                           | %                 | 0,85                  |   |       |
| Phosphorous, in total         | mg/kg dm          | 480                   | 500                                       | 500   |
| Nitrogen, in total            | mg/kg dm          | 150                   | 1.500                                     | 1.500 |
| Monobutyltin <sup>+++</sup>   | µg/kg dm          | < 1                   |   |       |
| Dibutyltin <sup>++</sup>      | µg/kg dm          | < 1                   |   |       |
| Tributyltin <sup>+</sup>      | µg/kg dm          | < 1                   | 20  | 300   |
| Tetrabutyltin                 | µg/kg dm          | < 1                   |   |       |
| Triphenyltin <sup>+</sup>     | µg/kg dm          | < 1                   |   |       |
| <b>Sum TBT</b>                | µg/kg dm          | <b>n.d.</b>           |   |       |
| Grain size fraction [> 63 µm] | %                 | 78,2                  |   |       |
| Grain size fraction [< 63 µm] | %                 | 21,8                  |   |       |
| Grain size fraction [< 20 µm] | %                 | 16,5                  |   |       |
| Density                       | g/cm <sup>3</sup> | 2,2                   |   |       |

<sup>3)</sup> Common transitional provision for the handling of dredged material in coastal waters, as of: August 2009, Table 1

Parameters according to GÜBAK 2/3

| Laboratory number                  |           | 181117                | Baltic Sea guideline values <sup>3)</sup> |     |
|------------------------------------|-----------|-----------------------|---|-----|
| Sample name                        |           | <b>OW4-RAM-001-VC</b> | R1  | R2  |
| Sampling depth                     |           | 0,0-2,35m             |   |     |
| Parameter                          | Dimension | < 63 µm fraction      |   |     |
| Hydrocarbons, n-C <sub>10-22</sub> | mg/kg dm  | 14                    |   |     |
| Hydrocarbons, n-C <sub>10-40</sub> | mg/kg dm  | 36                    | 250                                       | 750 |
| Hexachlorobenzene                  | µg/kg dm  | < 1                   | 2   | 6   |
| Pentachlorobenzene                 | µg/kg dm  | < 1                   |   |     |
| α-HCH                              | µg/kg dm  | 8                     | 1   | 3   |
| γ-HCH                              | µg/kg dm  | < 1                   | 6   | 18  |
| p,p'-DDE                           | µg/kg dm  | < 1                   | 8   | 24  |
| p,p'-DDD                           | µg/kg dm  | < 1                   | 7   | 21  |
| p,p'-DDT                           | µg/kg dm  | < 1                   | 7   | 21  |
| PCB 28                             | µg/kg dm  | < 1                   |   |     |
| PCB 52                             | µg/kg dm  | 4                     |   |     |
| PCB 101                            | µg/kg dm  | 5                     |   |     |
| PCB 118                            | µg/kg dm  | 4                     |   |     |
| PCB 138                            | µg/kg dm  | 9                     |   |     |
| PCB 153                            | µg/kg dm  | 9                     |   |     |
| PCB 180                            | µg/kg dm  | 5                     |   |     |
| <b>Sum PCB (7 Kong.)</b>           | µg/kg dm  | <b>36</b>             | 40  | 120 |
| Naphthaline                        | mg/kg dm  | < 0,001               |   |     |
| Acenaphthylene                     | mg/kg dm  | < 0,001               |   |     |
| Acenaphthene                       | mg/kg dm  | 0,004                 |   |     |
| Fluorene                           | mg/kg dm  | 0,005                 |   |     |
| Phenanthrene                       | mg/kg dm  | 0,042                 |   |     |
| Anthracene                         | mg/kg dm  | 0,006                 |   |     |
| Fluoranthene                       | mg/kg dm  | 0,043                 |   |     |
| Pyrene                             | mg/kg dm  | 0,021                 |   |     |
| Benzo(a)anthracene                 | mg/kg dm  | 0,010                 |   |     |
| Chrysene                           | mg/kg dm  | 0,010                 |   |     |
| Benzo(b)fluoranthene               | mg/kg dm  | 0,009                 |   |     |
| Benzo(k)fluoranthene               | mg/kg dm  | 0,003                 |   |     |
| Benzo(a)pyrene                     | mg/kg dm  | 0,003                 |   |     |
| Indeno(1,2,3-cd)pyrene             | mg/kg dm  | 0,003                 |   |     |
| Dibenzo(a,h)anthracene             | mg/kg dm  | < 0,001               |   |     |
| Benzo(g,h,i)perylene               | mg/kg dm  | 0,003                 |   |     |
| <b>Sum PAH (EPA)</b>               | mg/kg dm  | <b>0,162</b>          | 3   | 9   |

<sup>3)</sup> Common transitional provision for the handling of dredged material in coastal waters, as of: August 2009, Table 1

Parameters according to GÜBAK 3/3

| Laboratory number |           | 181117                | Baltic Sea guideline values <sup>3)</sup> |     |
|-------------------|-----------|-----------------------|---|-----|
| Sample name       |           | <b>OW4-RAM-001-VC</b> | R1  | R2  |
| Sampling depth    |           | 0,0-2,35m             |   |     |
| Parameter         | Dimension | < 20 µm fraction      |   |     |
| Arsenic           | mg/kg dm  | 8,0                   | 20  | 60  |
| Lead              | mg/kg dm  | 22                    | 100                                       | 300 |
| Cadmium           | mg/kg dm  | 0,3                   | 2   | 6   |
| Chrome            | mg/kg dm  | 28                    | 90  | 270 |
| Copper            | mg/kg dm  | 27                    | 70  | 210 |
| Nickel            | mg/kg dm  | 36                    | 70  | 210 |
| Mercury           | mg/kg dm  | < 0,1                 | 0,4                                       | 1,2 |
| Zinc              | mg/kg dm  | 66                    | 250                                       | 750 |

| Laboratory number     |           | 181117                | Baltic Sea guideline values <sup>3)</sup> |    |
|-----------------------|-----------|-----------------------|---|----|
| Sample name           |           | <b>OW4-RAM-001-VC</b> | R1  | R2 |
| Sampling depth        |           | 0,0-2,35m             |   |    |
| Parameter             | Dimension | 10:1 ELUATE           |   |    |
| Phosphorous, in total | mg/L      | 0,064                 | 2   | 2  |
| Nitrogen, in total    | mg/L      | 1,0                   | 6   | 6  |

<sup>3)</sup> Common transitional provision for the handling of dredged material in coastal waters, as of: August 2009, Table 1