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One New York Street  
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4225



**Attention :** Amy Peacock  
**Date :** 11th September, 2025  
**Your reference :** 0793827  
**Our reference :** Test Report 25/14283 Batch 1  
**Location :** Dow - Jarrow  
**Date samples received :** 2nd September, 2025  
**Status :** Final Report  
**Issue :** 202509111049

Twelve samples were received for analysis on 2nd September, 2025 of which twelve were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.

All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

The greenhouse gas emissions generated (in Carbon – Co2e) to obtain the results in this report are estimated as:

Scope 1&2 emissions - 10.136 kg of CO2

Scope 1&2&3 emissions - 23.954 kg of CO2

**Authorised By:**



**Paul Boden BSc**  
Senior Technical Account Manager

Please include all sections of this report if it is reproduced

# Element Materials Technology

**Client Name:** ERM  
**Reference:** 0793827  
**Location:** Dow - Jarrow  
**Contact:** Amy Peacock  
**EMT Job No:** 25/14283

**Report : Liquid**

**Liquids/products:** V=40ml vial, G=glass bottle, P=plastic bottle  
H=H<sub>2</sub>SO<sub>4</sub>, Z=ZnAc, N=NaOH, HN=HNO<sub>3</sub>

| EMT Sample No.                                               | 1-3                          | 4-6                          | 7-9                          | 10-12                        | 13-16              | 17-20              | 21-24                   | 25-28             | 29-31                       | 32-34                       | Please see attached notes for all abbreviations and acronyms |       |               |
|--------------------------------------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|--------------------|--------------------|-------------------------|-------------------|-----------------------------|-----------------------------|--------------------------------------------------------------|-------|---------------|
| Sample ID                                                    | 09 Plant-DS-High-WS-20250901 | 09 Plant-US-High-WS-20250901 | 07 Plant-DS-High-WS-20250901 | 07 Plant-US-High-WS-20250901 | S-PIT1-WS-20250901 | S-PIT2-WS-20250901 | OROGLAS-PIT-WS-20250901 | K-PIT-WS-20250901 | 09 Plant-DS-Low-WS-20250901 | 09 Plant-US-Low-WS-20250901 |                                                              |       |               |
| Depth                                                        |                              |                              |                              |                              |                    |                    |                         |                   |                             |                             |                                                              |       |               |
| COC No / misc                                                |                              |                              |                              |                              |                    |                    |                         |                   |                             |                             |                                                              |       |               |
| Containers                                                   | VG                           | VG                           | VG                           | VG                           | VP G               | VP G               | VP G                    | VP G              | VG                          | VG                          |                                                              |       |               |
| Sample Date                                                  | 01/09/2025                   | 01/09/2025                   | 01/09/2025                   | 01/09/2025                   | 01/09/2025         | 01/09/2025         | 01/09/2025              | 01/09/2025        | 01/09/2025                  | 01/09/2025                  |                                                              |       |               |
| Sample Type                                                  | Surface Water                | Surface Water                | Surface Water                | Surface Water                | Surface Water      | Surface Water      | Surface Water           | Surface Water     | Surface Water               | Surface Water               |                                                              |       |               |
| Batch Number                                                 | 1                            | 1                            | 1                            | 1                            | 1                  | 1                  | 1                       | 1                 | 1                           | 1                           | LOD/LOR                                                      | Units | Method No.    |
| Date of Receipt                                              | 02/09/2025                   | 02/09/2025                   | 02/09/2025                   | 02/09/2025                   | 02/09/2025         | 02/09/2025         | 02/09/2025              | 02/09/2025        | 02/09/2025                  | 02/09/2025                  |                                                              |       |               |
| Metals                                                       |                              |                              |                              |                              |                    |                    |                         |                   |                             |                             |                                                              |       |               |
| Dissolved Arsenic #                                          | -                            | -                            | -                            | -                            | <2.5               | <2.5               | <2.5                    | <2.5              | -                           | -                           | <2.5                                                         | ug/l  | TM30/PM14     |
| Dissolved Barium #                                           | -                            | -                            | -                            | -                            | 255                | 30                 | 26                      | 33                | -                           | -                           | <3                                                           | ug/l  | TM30/PM14     |
| Dissolved Beryllium                                          | -                            | -                            | -                            | -                            | <0.5               | <0.5               | <0.5                    | <0.5              | -                           | -                           | <0.5                                                         | ug/l  | TM30/PM14     |
| Dissolved Cadmium #                                          | -                            | -                            | -                            | -                            | <0.5               | <0.5               | <0.5                    | <0.5              | -                           | -                           | <0.5                                                         | ug/l  | TM30/PM14     |
| Total Dissolved Chromium #                                   | -                            | -                            | -                            | -                            | <1.5               | <1.5               | <1.5                    | <1.5              | -                           | -                           | <1.5                                                         | ug/l  | TM30/PM14     |
| Hexavalent Chromium                                          | -                            | -                            | -                            | -                            | <6                 | <6                 | <6                      | <6                | -                           | -                           | <6                                                           | ug/l  | TM38/PM0      |
| Dissolved Copper #                                           | -                            | -                            | -                            | -                            | <7                 | <7                 | <7                      | <7                | -                           | -                           | <7                                                           | ug/l  | TM30/PM14     |
| Dissolved Lead #                                             | -                            | -                            | -                            | -                            | <5                 | <5                 | <5                      | <5                | -                           | -                           | <5                                                           | ug/l  | TM30/PM14     |
| Dissolved Mercury #                                          | -                            | -                            | -                            | -                            | <1                 | <1                 | <1                      | <1                | -                           | -                           | <1                                                           | ug/l  | TM30/PM14     |
| Dissolved Nickel #                                           | -                            | -                            | -                            | -                            | <2                 | <2                 | <2                      | <2                | -                           | -                           | <2                                                           | ug/l  | TM30/PM14     |
| Dissolved Selenium #                                         | -                            | -                            | -                            | -                            | <3                 | <3                 | <3                      | <3                | -                           | -                           | <3                                                           | ug/l  | TM30/PM14     |
| Dissolved Vanadium #                                         | -                            | -                            | -                            | -                            | <1.5               | <1.5               | <1.5                    | <1.5              | -                           | -                           | <1.5                                                         | ug/l  | TM30/PM14     |
| Dissolved Zinc #                                             | -                            | -                            | -                            | -                            | 5                  | 5                  | 6                       | 11                | -                           | -                           | <3                                                           | ug/l  | TM30/PM14     |
| TPH CWG                                                      |                              |                              |                              |                              |                    |                    |                         |                   |                             |                             |                                                              |       |               |
| Aliphatics                                                   |                              |                              |                              |                              |                    |                    |                         |                   |                             |                             |                                                              |       |               |
| >C5-C6 (HS_1D_AL) #                                          | -                            | -                            | -                            | -                            | <10                | <10                | <10                     | <10               | -                           | -                           | <10                                                          | ug/l  | TM36/PM12     |
| >C6-C8 (HS_1D_AL) #                                          | -                            | -                            | -                            | -                            | <10                | <10                | <10                     | <10               | -                           | -                           | <10                                                          | ug/l  | TM36/PM12     |
| >C8-C10 (HS_1D_AL) #                                         | -                            | -                            | -                            | -                            | <10                | <10                | <10                     | 30                | -                           | -                           | <10                                                          | ug/l  | TM36/PM12     |
| >C10-C12 (EH_CU_1D_AL) #                                     | -                            | -                            | -                            | -                            | <15 <sup>AA</sup>  | <5                 | <5                      | <5                | -                           | -                           | <5                                                           | ug/l  | TM5/PM16/PM30 |
| >C12-C16 (EH_CU_1D_AL) #                                     | -                            | -                            | -                            | -                            | <30 <sup>AA</sup>  | <10                | <10                     | <10               | -                           | -                           | <10                                                          | ug/l  | TM5/PM16/PM30 |
| >C16-C21 (EH_CU_1D_AL) #                                     | -                            | -                            | -                            | -                            | <30 <sup>AA</sup>  | <10                | <10                     | <10               | -                           | -                           | <10                                                          | ug/l  | TM5/PM16/PM30 |
| >C21-C35 (EH_CU_1D_AL) #                                     | -                            | -                            | -                            | -                            | <30 <sup>AA</sup>  | <10                | <10                     | <10               | -                           | -                           | <10                                                          | ug/l  | TM5/PM16/PM30 |
| Total aliphatics C5-35 (EH_CU+HS_1D_AL) #                    | -                            | -                            | -                            | -                            | <30 <sup>AA</sup>  | <10                | <10                     | 30                | -                           | -                           | <10                                                          | ug/l  | TM5/PM16/PM30 |
| >C5-C8 (HS_1D_AL) #                                          | -                            | -                            | -                            | -                            | <10                | <10                | <10                     | <10               | -                           | -                           | <10                                                          | ug/l  | TM36/PM12     |
| >C8-C16 (EH_CU_1D_AL) #                                      | -                            | -                            | -                            | -                            | <30 <sup>AA</sup>  | <10                | <10                     | 30                | -                           | -                           | <10                                                          | ug/l  | TM5/PM16/PM30 |
| >C16-C35 (EH_CU_1D_AL) #                                     | -                            | -                            | -                            | -                            | <30 <sup>AA</sup>  | <10                | <10                     | <10               | -                           | -                           | <10                                                          | ug/l  | TM5/PM16/PM30 |
| Aromatics                                                    |                              |                              |                              |                              |                    |                    |                         |                   |                             |                             |                                                              |       |               |
| >C5-EC7 (HS_1D_AR) #                                         | -                            | -                            | -                            | -                            | <10                | <10                | <10                     | <10               | -                           | -                           | <10                                                          | ug/l  | TM36/PM12     |
| >EC7-EC8 (HS_1D_AR) #                                        | -                            | -                            | -                            | -                            | <10                | <10                | <10                     | <10               | -                           | -                           | <10                                                          | ug/l  | TM36/PM12     |
| >EC8-EC10 (HS_1D_AR) #                                       | -                            | -                            | -                            | -                            | <10                | <10                | <10                     | <10               | -                           | -                           | <10                                                          | ug/l  | TM36/PM12     |
| >EC10-EC12 (EH_CU_1D_AR) #                                   | -                            | -                            | -                            | -                            | <15 <sup>AA</sup>  | <5                 | <5                      | <5                | -                           | -                           | <5                                                           | ug/l  | TM5/PM16/PM30 |
| >EC12-EC16 (EH_CU_1D_AR) #                                   | -                            | -                            | -                            | -                            | <30 <sup>AA</sup>  | <10                | <10                     | <10               | -                           | -                           | <10                                                          | ug/l  | TM5/PM16/PM30 |
| >EC16-EC21 (EH_CU_1D_AR) #                                   | -                            | -                            | -                            | -                            | <30 <sup>AA</sup>  | <10                | <10                     | <10               | -                           | -                           | <10                                                          | ug/l  | TM5/PM16/PM30 |
| >EC21-EC35 (EH_CU_1D_AR) #                                   | -                            | -                            | -                            | -                            | <30 <sup>AA</sup>  | <10                | <10                     | <10               | -                           | -                           | <10                                                          | ug/l  | TM5/PM16/PM30 |
| Total aromatics C5-35 (EH_CU+HS_1D_AR) #                     | -                            | -                            | -                            | -                            | <30 <sup>AA</sup>  | <10                | <10                     | <10               | -                           | -                           | <10                                                          | ug/l  | TM5/PM16/PM30 |
| >EC10-EC16 (EH_CU_1D_AR) #                                   | -                            | -                            | -                            | -                            | <30 <sup>AA</sup>  | <10                | <10                     | <10               | -                           | -                           | <10                                                          | ug/l  | TM5/PM16/PM30 |
| >EC16-EC35 (EH_CU_1D_AR) #                                   | -                            | -                            | -                            | -                            | <30 <sup>AA</sup>  | <10                | <10                     | <10               | -                           | -                           | <10                                                          | ug/l  | TM5/PM16/PM30 |
| Total aliphatics and aromatics (C5-35) (EH_CU+HS_1D_Total) # | -                            | -                            | -                            | -                            | <30 <sup>AA</sup>  | <10                | <10                     | 30                | -                           | -                           | <10                                                          | ug/l  | TM5/PM16/PM30 |

QF-PM 3.1.2 v11

Please include all sections of this report if it is reproduced

All solid results are expressed on a dry weight basis unless stated otherwise.

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## Element Materials Technology

**Client Name:** ERM  
**Reference:** 0793827  
**Location:** Dow - Jarrow  
**Contact:** Amy Peacock  
**EMT Job No:** 25/14283

**Report : Liquid**

**Liquids/products:** V=40ml vial, G=glass bottle, P=plastic bottle  
 H=H<sub>2</sub>SO<sub>4</sub>, Z=ZnAc, N=NaOH, HN=HNO<sub>3</sub>

| EMT Sample No.                                              | 35-37                       | 38-40                       |  |  |  |  |  |  |  |  | Please see attached notes for all abbreviations and acronyms |       |                        |
|-------------------------------------------------------------|-----------------------------|-----------------------------|--|--|--|--|--|--|--|--|--------------------------------------------------------------|-------|------------------------|
| Sample ID                                                   | 07 Plant-DS-Low-WS-20250901 | 07 Plant-US-Low-WS-20250901 |  |  |  |  |  |  |  |  |                                                              |       |                        |
| Depth                                                       |                             |                             |  |  |  |  |  |  |  |  |                                                              |       |                        |
| COC No / misc                                               |                             |                             |  |  |  |  |  |  |  |  |                                                              |       |                        |
| Containers                                                  | V G                         | V G                         |  |  |  |  |  |  |  |  |                                                              |       |                        |
| Sample Date                                                 | 01/09/2025                  | 01/09/2025                  |  |  |  |  |  |  |  |  |                                                              |       |                        |
| Sample Type                                                 | Surface Water               | Surface Water               |  |  |  |  |  |  |  |  |                                                              |       |                        |
| Batch Number                                                | 1                           | 1                           |  |  |  |  |  |  |  |  |                                                              |       |                        |
| Date of Receipt                                             | 02/09/2025                  | 02/09/2025                  |  |  |  |  |  |  |  |  | LOD/LOR                                                      | Units | Method No.             |
| Metals                                                      |                             |                             |  |  |  |  |  |  |  |  |                                                              |       |                        |
| Dissolved Arsenic #                                         | -                           | -                           |  |  |  |  |  |  |  |  | <2.5                                                         | ug/l  | TM30/PM14              |
| Dissolved Barium #                                          | -                           | -                           |  |  |  |  |  |  |  |  | <3                                                           | ug/l  | TM30/PM14              |
| Dissolved Beryllium                                         | -                           | -                           |  |  |  |  |  |  |  |  | <0.5                                                         | ug/l  | TM30/PM14              |
| Dissolved Cadmium #                                         | -                           | -                           |  |  |  |  |  |  |  |  | <0.5                                                         | ug/l  | TM30/PM14              |
| Total Dissolved Chromium #                                  | -                           | -                           |  |  |  |  |  |  |  |  | <1.5                                                         | ug/l  | TM30/PM14              |
| Hexavalent Chromium                                         | -                           | -                           |  |  |  |  |  |  |  |  | <6                                                           | ug/l  | TM38/PM0               |
| Dissolved Copper #                                          | -                           | -                           |  |  |  |  |  |  |  |  | <7                                                           | ug/l  | TM30/PM14              |
| Dissolved Lead #                                            | -                           | -                           |  |  |  |  |  |  |  |  | <5                                                           | ug/l  | TM30/PM14              |
| Dissolved Mercury #                                         | -                           | -                           |  |  |  |  |  |  |  |  | <1                                                           | ug/l  | TM30/PM14              |
| Dissolved Nickel #                                          | -                           | -                           |  |  |  |  |  |  |  |  | <2                                                           | ug/l  | TM30/PM14              |
| Dissolved Selenium #                                        | -                           | -                           |  |  |  |  |  |  |  |  | <3                                                           | ug/l  | TM30/PM14              |
| Dissolved Vanadium #                                        | -                           | -                           |  |  |  |  |  |  |  |  | <1.5                                                         | ug/l  | TM30/PM14              |
| Dissolved Zinc #                                            | -                           | -                           |  |  |  |  |  |  |  |  | <3                                                           | ug/l  | TM30/PM14              |
| TPH CWG                                                     |                             |                             |  |  |  |  |  |  |  |  |                                                              |       |                        |
| Aliphatics                                                  |                             |                             |  |  |  |  |  |  |  |  |                                                              |       |                        |
| >C5-C6 (HS_1D_AL) #                                         | -                           | -                           |  |  |  |  |  |  |  |  | <10                                                          | ug/l  | TM36/PM12              |
| >C6-C8 (HS_1D_AL) #                                         | -                           | -                           |  |  |  |  |  |  |  |  | <10                                                          | ug/l  | TM36/PM12              |
| >C8-C10 (HS_1D_AL) #                                        | -                           | -                           |  |  |  |  |  |  |  |  | <10                                                          | ug/l  | TM36/PM12              |
| >C10-C12 (EH_CU_1D_AL) #                                    | -                           | -                           |  |  |  |  |  |  |  |  | <5                                                           | ug/l  | TM5/PM16/PM3           |
| >C12-C16 (EH_CU_1D_AL) #                                    | -                           | -                           |  |  |  |  |  |  |  |  | <10                                                          | ug/l  | TM5/PM16/PM3           |
| >C16-C21 (EH_CU_1D_AL) #                                    | -                           | -                           |  |  |  |  |  |  |  |  | <10                                                          | ug/l  | TM5/PM16/PM3           |
| >C21-C35 (EH_CU_1D_AL) #                                    | -                           | -                           |  |  |  |  |  |  |  |  | <10                                                          | ug/l  | TM5/PM16/PM3           |
| Total aliphatics C5-35 (EH_CU+HS_1D_AL) *                   | -                           | -                           |  |  |  |  |  |  |  |  | <10                                                          | ug/l  | TM5/TM36/PM12/PM16/PM3 |
| >C5-C8 (HS_1D_AL) #                                         | -                           | -                           |  |  |  |  |  |  |  |  | <10                                                          | ug/l  | TM36/PM12              |
| >C8-C16 (EH_CU_1D_AL) #                                     | -                           | -                           |  |  |  |  |  |  |  |  | <10                                                          | ug/l  | TM5/PM16/PM3           |
| >C16-C35 (EH_CU_1D_AL) #                                    | -                           | -                           |  |  |  |  |  |  |  |  | <10                                                          | ug/l  | TM5/PM16/PM3           |
| Aromatics                                                   |                             |                             |  |  |  |  |  |  |  |  |                                                              |       |                        |
| >C5-EC7 (HS_1D_AR) #                                        | -                           | -                           |  |  |  |  |  |  |  |  | <10                                                          | ug/l  | TM36/PM12              |
| >EC7-EC8 (HS_1D_AR) #                                       | -                           | -                           |  |  |  |  |  |  |  |  | <10                                                          | ug/l  | TM36/PM12              |
| >EC8-EC10 (HS_1D_AR) #                                      | -                           | -                           |  |  |  |  |  |  |  |  | <10                                                          | ug/l  | TM36/PM12              |
| >EC10-EC12 (EH_CU_1D_AR) #                                  | -                           | -                           |  |  |  |  |  |  |  |  | <5                                                           | ug/l  | TM5/PM16/PM3           |
| >EC12-EC16 (EH_CU_1D_AR) #                                  | -                           | -                           |  |  |  |  |  |  |  |  | <10                                                          | ug/l  | TM5/PM16/PM3           |
| >EC16-EC21 (EH_CU_1D_AR) #                                  | -                           | -                           |  |  |  |  |  |  |  |  | <10                                                          | ug/l  | TM5/PM16/PM3           |
| >EC21-EC35 (EH_CU_1D_AR) #                                  | -                           | -                           |  |  |  |  |  |  |  |  | <10                                                          | ug/l  | TM5/PM16/PM3           |
| Total aromatics C5-35 (EH_CU+HS_1D_AR) *                    | -                           | -                           |  |  |  |  |  |  |  |  | <10                                                          | ug/l  | TM5/TM36/PM12/PM16/PM3 |
| >EC10-EC16 (EH_CU_1D_AR) #                                  | -                           | -                           |  |  |  |  |  |  |  |  | <10                                                          | ug/l  | TM5/PM16/PM3           |
| >EC16-EC35 (EH_CU_1D_AR) #                                  | -                           | -                           |  |  |  |  |  |  |  |  | <10                                                          | ug/l  | TM5/PM16/PM3           |
| Total aliphatics and aromatics(C5-35) (EH_CU+HS_1D_Total) * | -                           | -                           |  |  |  |  |  |  |  |  | <10                                                          | ug/l  | TM5/TM36/PM12/PM16/PM3 |



Client Name: ERM  
Reference: 0793827  
Location: Dow - Jarrow  
Contact: Amy Peacock  
EMT Job No: 25/14283

SVOC Report : Liquid

| EMT Sample No.                  | 13-16              | 17-20              | 21-24                   | 25-28             |  |  |  |  |  |  | Please see attached notes for all abbreviations and acronyms |       |            |
|---------------------------------|--------------------|--------------------|-------------------------|-------------------|--|--|--|--|--|--|--------------------------------------------------------------|-------|------------|
| Sample ID                       | S-PIT1-WS-20250901 | S-PIT2-WS-20250901 | OROGLAS-PIT-WS-20250901 | K-PIT-WS-20250901 |  |  |  |  |  |  |                                                              |       |            |
| Depth                           |                    |                    |                         |                   |  |  |  |  |  |  |                                                              |       |            |
| COC No / misc                   |                    |                    |                         |                   |  |  |  |  |  |  |                                                              |       |            |
| Containers                      | V P G              | V P G              | V P G                   | V P G             |  |  |  |  |  |  |                                                              |       |            |
| Sample Date                     | 01/09/2025         | 01/09/2025         | 01/09/2025              | 01/09/2025        |  |  |  |  |  |  |                                                              |       |            |
| Sample Type                     | Surface Water      | Surface Water      | Surface Water           | Surface Water     |  |  |  |  |  |  | LOD/LOR                                                      | Units | Method No. |
| Batch Number                    | 1                  | 1                  | 1                       | 1                 |  |  |  |  |  |  |                                                              |       |            |
| Date of Receipt                 | 02/09/2025         | 02/09/2025         | 02/09/2025              | 02/09/2025        |  |  |  |  |  |  |                                                              |       |            |
| SVOC MS                         |                    |                    |                         |                   |  |  |  |  |  |  |                                                              |       |            |
| <b>Phenols</b>                  |                    |                    |                         |                   |  |  |  |  |  |  |                                                              |       |            |
| 4-Chloro-3-methylphenol #       | <0.5               | <0.5               | <0.5                    | 1.7               |  |  |  |  |  |  | <0.5                                                         | ug/l  | TM16/PM30  |
| 2-Chlorophenol #                | <1                 | <1                 | <1                      | <1                |  |  |  |  |  |  | <1                                                           | ug/l  | TM16/PM30  |
| 2-Methylphenol #                | <0.5               | <0.5               | <0.5                    | <0.5              |  |  |  |  |  |  | <0.5                                                         | ug/l  | TM16/PM30  |
| 4-Methylphenol                  | <1                 | <1                 | <1                      | <1                |  |  |  |  |  |  | <1                                                           | ug/l  | TM16/PM30  |
| 2,4-Dichlorophenol #            | <0.5               | <0.5               | <0.5                    | <0.5              |  |  |  |  |  |  | <0.5                                                         | ug/l  | TM16/PM30  |
| 2,4-Dimethylphenol              | <1                 | <1                 | <1                      | <1                |  |  |  |  |  |  | <1                                                           | ug/l  | TM16/PM30  |
| 2-Nitrophenol                   | <0.5               | <0.5               | <0.5                    | <0.5              |  |  |  |  |  |  | <0.5                                                         | ug/l  | TM16/PM30  |
| 4-Nitrophenol                   | <10                | <10                | <10                     | <10               |  |  |  |  |  |  | <10                                                          | ug/l  | TM16/PM30  |
| Pentachlorophenol               | <1                 | <1                 | <1                      | <1                |  |  |  |  |  |  | <1                                                           | ug/l  | TM16/PM30  |
| Phenol                          | <1                 | <1                 | <1                      | <1                |  |  |  |  |  |  | <1                                                           | ug/l  | TM16/PM30  |
| 2,4,5-Trichlorophenol #         | <0.5               | <0.5               | <0.5                    | <0.5              |  |  |  |  |  |  | <0.5                                                         | ug/l  | TM16/PM30  |
| 2,4,6-Trichlorophenol           | <1                 | <1                 | <1                      | <1                |  |  |  |  |  |  | <1                                                           | ug/l  | TM16/PM30  |
| <b>PAHs</b>                     |                    |                    |                         |                   |  |  |  |  |  |  |                                                              |       |            |
| Acenaphthene #                  | <1                 | <1                 | <1                      | <1                |  |  |  |  |  |  | <1                                                           | ug/l  | TM16/PM30  |
| Acenaphthylene #                | <0.5               | <0.5               | <0.5                    | <0.5              |  |  |  |  |  |  | <0.5                                                         | ug/l  | TM16/PM30  |
| Anthracene #                    | <0.5               | <0.5               | <0.5                    | <0.5              |  |  |  |  |  |  | <0.5                                                         | ug/l  | TM16/PM30  |
| Benzo(a)anthracene #            | <0.5               | <0.5               | <0.5                    | <0.5              |  |  |  |  |  |  | <0.5                                                         | ug/l  | TM16/PM30  |
| Benzo(b)fluoranthene #          | <1                 | <1                 | <1                      | <1                |  |  |  |  |  |  | <1                                                           | ug/l  | TM16/PM30  |
| Benzo(a)pyrene                  | <1                 | <1                 | <1                      | <1                |  |  |  |  |  |  | <1                                                           | ug/l  | TM16/PM30  |
| Benzo(ghi)perylene #            | <0.5               | <0.5               | <0.5                    | <0.5              |  |  |  |  |  |  | <0.5                                                         | ug/l  | TM16/PM30  |
| 2-Chloronaphthalene #           | <1                 | <1                 | <1                      | <1                |  |  |  |  |  |  | <1                                                           | ug/l  | TM16/PM30  |
| Chrysene #                      | <0.5               | <0.5               | <0.5                    | <0.5              |  |  |  |  |  |  | <0.5                                                         | ug/l  | TM16/PM30  |
| Dibenzo(ah)anthracene #         | <0.5               | <0.5               | <0.5                    | <0.5              |  |  |  |  |  |  | <0.5                                                         | ug/l  | TM16/PM30  |
| Fluoranthene #                  | <0.5               | <0.5               | <0.5                    | <0.5              |  |  |  |  |  |  | <0.5                                                         | ug/l  | TM16/PM30  |
| Fluorene #                      | <0.5               | <0.5               | <0.5                    | <0.5              |  |  |  |  |  |  | <0.5                                                         | ug/l  | TM16/PM30  |
| Indeno(123cd)pyrene             | <1                 | <1                 | <1                      | <1                |  |  |  |  |  |  | <1                                                           | ug/l  | TM16/PM30  |
| 2-Methylnaphthalene #           | <1                 | <1                 | <1                      | <1                |  |  |  |  |  |  | <1                                                           | ug/l  | TM16/PM30  |
| Naphthalene #                   | <1                 | <1                 | <1                      | <1                |  |  |  |  |  |  | <1                                                           | ug/l  | TM16/PM30  |
| Phenanthrene #                  | <0.5               | <0.5               | <0.5                    | <0.5              |  |  |  |  |  |  | <0.5                                                         | ug/l  | TM16/PM30  |
| Pyrene #                        | <0.5               | <0.5               | <0.5                    | <0.5              |  |  |  |  |  |  | <0.5                                                         | ug/l  | TM16/PM30  |
| B(ghi)Perylene + I(123cd)Pyrene | <1.5               | <1.5               | <1.5                    | <1.5              |  |  |  |  |  |  | <1.5                                                         | ug/l  | TM16/PM30  |
| Sum of 4DW PAHs                 | <2.5               | <2.5               | <2.5                    | <2.5              |  |  |  |  |  |  | <2.5                                                         | ug/l  | TM16/PM30  |
| <b>Phthalates</b>               |                    |                    |                         |                   |  |  |  |  |  |  |                                                              |       |            |
| Bis(2-ethylhexyl) phthalate     | <5                 | <5                 | <5                      | <5                |  |  |  |  |  |  | <5                                                           | ug/l  | TM16/PM30  |
| Butylbenzyl phthalate           | <1                 | <1                 | <1                      | <1                |  |  |  |  |  |  | <1                                                           | ug/l  | TM16/PM30  |
| Diethyl phthalate #             | <1                 | <1                 | <1                      | <1                |  |  |  |  |  |  | <1                                                           | ug/l  | TM16/PM30  |
| Dimethyl phthalate              | <1                 | <1                 | <1                      | <1                |  |  |  |  |  |  | <1                                                           | ug/l  | TM16/PM30  |
| Di-n-butyl phthalate #          | <1.5               | <1.5               | <1.5                    | <1.5              |  |  |  |  |  |  | <1.5                                                         | ug/l  | TM16/PM30  |
| Di-n-Octyl phthalate            | <1                 | <1                 | <1                      | <1                |  |  |  |  |  |  | <1                                                           | ug/l  | TM16/PM30  |
| <b>Amines</b>                   |                    |                    |                         |                   |  |  |  |  |  |  |                                                              |       |            |
| N-nitrosodi-n-propylamine #     | <0.5               | <0.5               | <0.5                    | <0.5              |  |  |  |  |  |  | <0.5                                                         | ug/l  | TM16/PM30  |
| <b>Anilines</b>                 |                    |                    |                         |                   |  |  |  |  |  |  |                                                              |       |            |
| 4-Chloroaniline                 | <1                 | <1                 | <1                      | <1                |  |  |  |  |  |  | <1                                                           | ug/l  | TM16/PM30  |
| 2-Nitroaniline                  | <1                 | <1                 | <1                      | <1                |  |  |  |  |  |  | <1                                                           | ug/l  | TM16/PM30  |
| 3-Nitroaniline                  | <1                 | <1                 | <1                      | <1                |  |  |  |  |  |  | <1                                                           | ug/l  | TM16/PM30  |
| 4-Nitroaniline                  | <0.5               | <0.5               | <0.5                    | <0.5              |  |  |  |  |  |  | <0.5                                                         | ug/l  | TM16/PM30  |

|                     |              |                      |        |
|---------------------|--------------|----------------------|--------|
| <b>Client Name:</b> | ERM          | <b>SVOC Report :</b> | Liquid |
| <b>Reference:</b>   | 0793827      |                      |        |
| <b>Location:</b>    | Dow - Jarrow |                      |        |
| <b>Contact:</b>     | Amy Peacock  |                      |        |
| <b>EMT Job No:</b>  | 25/14283     |                      |        |

Please see attached notes for all abbreviations and acronyms

Client Name: ERM  
Reference: 0793827  
Location: Dow - Jarrow  
Contact: Amy Peacock  
EMT Job No: 25/14283

VOC Report : Liquid

| EMT Sample No.                 | 1-3                          | 4-6                          | 7-9                          | 10-12                        | 13-16              | 17-20              | 21-24                  | 25-28             | 29-31                       | 32-34                       | Please see attached notes for all abbreviations and acronyms |       |            |
|--------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|--------------------|--------------------|------------------------|-------------------|-----------------------------|-----------------------------|--------------------------------------------------------------|-------|------------|
| Sample ID                      | 09 Plant-DS-High-WS-20250901 | 09 Plant-US-High-WS-20250901 | 07 Plant-DS-High-WS-20250901 | 07 Plant-US-High-WS-20250901 | S-PIT1-WS-20250901 | S-PIT2-WS-20250901 | OROGAS-PIT-WS-20250901 | K-PIT-WS-20250901 | 09 Plant-DS-Low-WS-20250901 | 09 Plant-US-Low-WS-20250901 |                                                              |       |            |
| Depth                          |                              |                              |                              |                              |                    |                    |                        |                   |                             |                             |                                                              |       |            |
| COC No / misc                  |                              |                              |                              |                              |                    |                    |                        |                   |                             |                             |                                                              |       |            |
| Containers                     | VG                           | VG                           | VG                           | VG                           | VPG                | VPG                | VPG                    | VPG               | VG                          | VG                          |                                                              |       |            |
| Sample Date                    | 01/09/2025                   | 01/09/2025                   | 01/09/2025                   | 01/09/2025                   | 01/09/2025         | 01/09/2025         | 01/09/2025             | 01/09/2025        | 01/09/2025                  | 01/09/2025                  |                                                              |       |            |
| Sample Type                    | Surface Water                | Surface Water                | Surface Water                | Surface Water                | Surface Water      | Surface Water      | Surface Water          | Surface Water     | Surface Water               | Surface Water               |                                                              |       |            |
| Batch Number                   | 1                            | 1                            | 1                            | 1                            | 1                  | 1                  | 1                      | 1                 | 1                           | 1                           | LOD/LOR                                                      | Units | Method No. |
| Date of Receipt                | 02/09/2025                   | 02/09/2025                   | 02/09/2025                   | 02/09/2025                   | 02/09/2025         | 02/09/2025         | 02/09/2025             | 02/09/2025        | 02/09/2025                  | 02/09/2025                  |                                                              |       |            |
| VOC MS                         |                              |                              |                              |                              |                    |                    |                        |                   |                             |                             |                                                              |       |            |
| <b>BTEX</b>                    |                              |                              |                              |                              |                    |                    |                        |                   |                             |                             |                                                              |       |            |
| Benzene #                      | <0.5                         | <0.5                         | <0.5                         | <0.5                         | <0.5               | <0.5               | <0.5                   | <0.5              | <0.5                        | <0.5                        | <0.5                                                         | ug/l  | TM15/PM10  |
| Toluene #                      | <5                           | <5                           | <5                           | <5                           | <5                 | <5                 | <5                     | <5                | <5                          | <5                          | <5                                                           | ug/l  | TM15/PM10  |
| Ethylbenzene #                 | <1                           | <1                           | <1                           | <1                           | <1                 | <1                 | <1                     | <1                | <1                          | <1                          | <1                                                           | ug/l  | TM15/PM10  |
| Xylenes (sum of isomers) #     | <3                           | <3                           | <3                           | <3                           | <3                 | <3                 | <3                     | <3                | <3                          | <3                          | <3                                                           | ug/l  | TM15/PM10  |
| m/p-Xylene #                   | <2                           | <2                           | <2                           | <2                           | <2                 | <2                 | <2                     | <2                | <2                          | <2                          | <2                                                           | ug/l  | TM15/PM10  |
| o-Xylene #                     | <1                           | <1                           | <1                           | <1                           | <1                 | <1                 | <1                     | <1                | <1                          | <1                          | <1                                                           | ug/l  | TM15/PM10  |
| <b>Chloroethenes</b>           |                              |                              |                              |                              |                    |                    |                        |                   |                             |                             |                                                              |       |            |
| Tetrachloroethene (PCE) #      | <3                           | <3                           | <3                           | <3                           | <3                 | <3                 | <3                     | <3                | <3                          | <3                          | <3                                                           | ug/l  | TM15/PM10  |
| Trichloroethene (TCE) #        | <3                           | <3                           | <3                           | <3                           | <3                 | <3                 | <3                     | <3                | <3                          | <3                          | <3                                                           | ug/l  | TM15/PM10  |
| 1,1-Dichloroethene (1,1 DCE) # | <3                           | <3                           | <3                           | <3                           | <3                 | <3                 | <3                     | <3                | <3                          | <3                          | <3                                                           | ug/l  | TM15/PM10  |
| cis-1-2-Dichloroethene #       | <3                           | <3                           | <3                           | <3                           | <3                 | <3                 | <3                     | <3                | <3                          | <3                          | <3                                                           | ug/l  | TM15/PM10  |
| trans-1-2-Dichloroethene #     | <3                           | <3                           | <3                           | <3                           | <3                 | <3                 | <3                     | <3                | <3                          | <3                          | <3                                                           | ug/l  | TM15/PM10  |
| Vinyl Chloride #               | <0.1                         | <0.1                         | <0.1                         | <0.1                         | <0.1               | <0.1               | <0.1                   | <0.1              | <0.1                        | <0.1                        | <0.1                                                         | ug/l  | TM15/PM10  |
| <b>Chloroethanes</b>           |                              |                              |                              |                              |                    |                    |                        |                   |                             |                             |                                                              |       |            |
| 1,1,1,2-Tetrachloroethane #    | <2                           | <2                           | <2                           | <2                           | <2                 | <2                 | <2                     | <2                | <2                          | <2                          | <2                                                           | ug/l  | TM15/PM10  |
| 1,1,2,2-Tetrachloroethane      | <4                           | <4                           | <4                           | <4                           | <4                 | <4                 | <4                     | <4                | <4                          | <4                          | <4                                                           | ug/l  | TM15/PM10  |
| 1,1,1-Trichloroethane #        | <2                           | <2                           | <2                           | <2                           | <2                 | <2                 | <2                     | <2                | <2                          | <2                          | <2                                                           | ug/l  | TM15/PM10  |
| 1,1,2-Trichloroethane #        | <2                           | <2                           | <2                           | <2                           | <2                 | <2                 | <2                     | <2                | <2                          | <2                          | <2                                                           | ug/l  | TM15/PM10  |
| 1,1-Dichloroethane #           | <3                           | <3                           | <3                           | <3                           | <3                 | <3                 | <3                     | <3                | <3                          | <3                          | <3                                                           | ug/l  | TM15/PM10  |
| 1,2-Dichloroethane #           | <2                           | <2                           | <2                           | <2                           | <2                 | <2                 | <2                     | <2                | <2                          | <2                          | <2                                                           | ug/l  | TM15/PM10  |
| Chloroethane #                 | <3                           | <3                           | <3                           | <3                           | <3                 | <3                 | <3                     | <3                | <3                          | <3                          | <3                                                           | ug/l  | TM15/PM10  |
| <b>Chlorobenzenes</b>          |                              |                              |                              |                              |                    |                    |                        |                   |                             |                             |                                                              |       |            |
| 1,2,3-Trichlorobenzene         | <3                           | <3                           | <3                           | <3                           | <3                 | <3                 | <3                     | <3                | <3                          | <3                          | <3                                                           | ug/l  | TM15/PM10  |
| 1,2,4-Trichlorobenzene         | <3                           | <3                           | <3                           | <3                           | <3                 | <3                 | <3                     | <3                | <3                          | <3                          | <3                                                           | ug/l  | TM15/PM10  |
| 1,2-Dichlorobenzene #          | <3                           | <3                           | <3                           | <3                           | <3                 | <3                 | <3                     | <3                | <3                          | <3                          | <3                                                           | ug/l  | TM15/PM10  |
| 1,3-Dichlorobenzene #          | <3                           | <3                           | <3                           | <3                           | <3                 | <3                 | <3                     | <3                | <3                          | <3                          | <3                                                           | ug/l  | TM15/PM10  |
| 1,4-Dichlorobenzene #          | <3                           | <3                           | <3                           | <3                           | <3                 | <3                 | <3                     | <3                | <3                          | <3                          | <3                                                           | ug/l  | TM15/PM10  |
| Chlorobenzene #                | <2                           | <2                           | <2                           | <2                           | 10                 | 11                 | <2                     | <2                | <2                          | <2                          | <2                                                           | ug/l  | TM15/PM10  |
| <b>Chloromethanes</b>          |                              |                              |                              |                              |                    |                    |                        |                   |                             |                             |                                                              |       |            |
| Carbon tetrachloride #         | <2                           | <2                           | <2                           | <2                           | <2                 | <2                 | <2                     | <2                | <2                          | <2                          | <2                                                           | ug/l  | TM15/PM10  |
| Chloroform #                   | <2                           | <2                           | <2                           | <2                           | <2                 | <2                 | <2                     | <2                | <2                          | <2                          | <2                                                           | ug/l  | TM15/PM10  |
| Dichloromethane (DCM) #        | <3                           | <3                           | <3                           | <3                           | <3                 | <3                 | <3                     | <3                | <3                          | <3                          | <3                                                           | ug/l  | TM15/PM10  |
| Chloromethane #                | <3                           | <3                           | <3                           | <3                           | <3                 | <3                 | <3                     | <3                | <3                          | <3                          | <3                                                           | ug/l  | TM15/PM10  |
| <b>Chloropropanes</b>          |                              |                              |                              |                              |                    |                    |                        |                   |                             |                             |                                                              |       |            |
| 1,2,3-Trichloropropane #       | <3                           | <3                           | <3                           | <3                           | <3                 | <3                 | <3                     | <3                | <3                          | <3                          | <3                                                           | ug/l  | TM15/PM10  |
| 1,2-Dichloropropane #          | <2                           | <2                           | <2                           | <2                           | <2                 | <2                 | <2                     | <2                | <2                          | <2                          | <2                                                           | ug/l  | TM15/PM10  |
| 2,2-Dichloropropane            | <1                           | <1                           | <1                           | <1                           | <1                 | <1                 | <1                     | <1                | <1                          | <1                          | <1                                                           | ug/l  | TM15/PM10  |
| 1,3-Dichloropropane #          | <2                           | <2                           | <2                           | <2                           | <2                 | <2                 | <2                     | <2                | <2                          | <2                          | <2                                                           | ug/l  | TM15/PM10  |
| <b>Chloropropenes</b>          |                              |                              |                              |                              |                    |                    |                        |                   |                             |                             |                                                              |       |            |
| 1,1-Dichloropropene #          | <3                           | <3                           | <3                           | <3                           | <3                 | <3                 | <3                     | <3                | <3                          | <3                          | <3                                                           | ug/l  | TM15/PM10  |
| cis-1-3-Dichloropropene        | <2                           | <2                           | <2                           | <2                           | <2                 | <2                 | <2                     | <2                | <2                          | <2                          | <2                                                           | ug/l  | TM15/PM10  |
| trans-1-3-Dichloropropene      | <2                           | <2                           | <2                           | <2                           | <2                 | <2                 | <2                     | <2                | <2                          | <2                          | <2                                                           | ug/l  | TM15/PM10  |

Please see attached notes for all abbreviations and acronyms

Client Name: ERM  
 Reference: 0793827  
 Location: Dow - Jarrow  
 Contact: Amy Peacock  
 EMT Job No: 25/14283

VOC Report : Liquid

| EMT Sample No.                 | 35-37                               | 38-40                               |  |  |  |  |  |  |  |  | Please see attached notes for all abbreviations and acronyms |       |            |
|--------------------------------|-------------------------------------|-------------------------------------|--|--|--|--|--|--|--|--|--------------------------------------------------------------|-------|------------|
| Sample ID                      | 07 Plant-DS-<br>Low-WS-<br>20250901 | 07 Plant-US-<br>Low-WS-<br>20250901 |  |  |  |  |  |  |  |  |                                                              |       |            |
| Depth                          |                                     |                                     |  |  |  |  |  |  |  |  |                                                              |       |            |
| COC No / misc                  |                                     |                                     |  |  |  |  |  |  |  |  |                                                              |       |            |
| Containers                     | V G                                 | V G                                 |  |  |  |  |  |  |  |  |                                                              |       |            |
| Sample Date                    | 01/09/2025                          | 01/09/2025                          |  |  |  |  |  |  |  |  |                                                              |       |            |
| Sample Type                    | Surface Water                       | Surface Water                       |  |  |  |  |  |  |  |  |                                                              |       |            |
| Batch Number                   | 1                                   | 1                                   |  |  |  |  |  |  |  |  |                                                              |       |            |
| Date of Receipt                | 02/09/2025                          | 02/09/2025                          |  |  |  |  |  |  |  |  | LOD/LOR                                                      | Units | Method No. |
| VOC MS                         |                                     |                                     |  |  |  |  |  |  |  |  |                                                              |       |            |
| BTEX                           |                                     |                                     |  |  |  |  |  |  |  |  |                                                              |       |            |
| Benzene #                      | <0.5                                | <0.5                                |  |  |  |  |  |  |  |  | <0.5                                                         | ug/l  | TM15/PM10  |
| Toluene #                      | <5                                  | <5                                  |  |  |  |  |  |  |  |  | <5                                                           | ug/l  | TM15/PM10  |
| Ethylbenzene #                 | <1                                  | <1                                  |  |  |  |  |  |  |  |  | <1                                                           | ug/l  | TM15/PM10  |
| Xylenes (sum of isomers) #     | <3                                  | <3                                  |  |  |  |  |  |  |  |  | <3                                                           | ug/l  | TM15/PM10  |
| m/p-Xylene #                   | <2                                  | <2                                  |  |  |  |  |  |  |  |  | <2                                                           | ug/l  | TM15/PM10  |
| o-Xylene #                     | <1                                  | <1                                  |  |  |  |  |  |  |  |  | <1                                                           | ug/l  | TM15/PM10  |
| Chloroethenes                  |                                     |                                     |  |  |  |  |  |  |  |  |                                                              |       |            |
| Tetrachloroethene (PCE) #      | <3                                  | <3                                  |  |  |  |  |  |  |  |  | <3                                                           | ug/l  | TM15/PM10  |
| Trichloroethene (TCE) #        | <3                                  | <3                                  |  |  |  |  |  |  |  |  | <3                                                           | ug/l  | TM15/PM10  |
| 1,1-Dichloroethene (1,1 DCE) # | <3                                  | <3                                  |  |  |  |  |  |  |  |  | <3                                                           | ug/l  | TM15/PM10  |
| cis-1-2-Dichloroethene #       | <3                                  | <3                                  |  |  |  |  |  |  |  |  | <3                                                           | ug/l  | TM15/PM10  |
| trans-1-2-Dichloroethene #     | <3                                  | <3                                  |  |  |  |  |  |  |  |  | <3                                                           | ug/l  | TM15/PM10  |
| Vinyl Chloride #               | <0.1                                | <0.1                                |  |  |  |  |  |  |  |  | <0.1                                                         | ug/l  | TM15/PM10  |
| Chloroethanes                  |                                     |                                     |  |  |  |  |  |  |  |  |                                                              |       |            |
| 1,1,1,2-Tetrachloroethane #    | <2                                  | <2                                  |  |  |  |  |  |  |  |  | <2                                                           | ug/l  | TM15/PM10  |
| 1,1,2,2-Tetrachloroethane      | <4                                  | <4                                  |  |  |  |  |  |  |  |  | <4                                                           | ug/l  | TM15/PM10  |
| 1,1,1-Trichloroethane #        | <2                                  | <2                                  |  |  |  |  |  |  |  |  | <2                                                           | ug/l  | TM15/PM10  |
| 1,1,2-Trichloroethane #        | <2                                  | <2                                  |  |  |  |  |  |  |  |  | <2                                                           | ug/l  | TM15/PM10  |
| 1,1-Dichloroethane #           | <3                                  | <3                                  |  |  |  |  |  |  |  |  | <3                                                           | ug/l  | TM15/PM10  |
| 1,2-Dichloroethane #           | <2                                  | <2                                  |  |  |  |  |  |  |  |  | <2                                                           | ug/l  | TM15/PM10  |
| Chloroethane #                 | <3                                  | <3                                  |  |  |  |  |  |  |  |  | <3                                                           | ug/l  | TM15/PM10  |
| Chlorobenzenes                 |                                     |                                     |  |  |  |  |  |  |  |  |                                                              |       |            |
| 1,2,3-Trichlorobenzene         | <3                                  | <3                                  |  |  |  |  |  |  |  |  | <3                                                           | ug/l  | TM15/PM10  |
| 1,2,4-Trichlorobenzene         | <3                                  | <3                                  |  |  |  |  |  |  |  |  | <3                                                           | ug/l  | TM15/PM10  |
| 1,2-Dichlorobenzene #          | <3                                  | <3                                  |  |  |  |  |  |  |  |  | <3                                                           | ug/l  | TM15/PM10  |
| 1,3-Dichlorobenzene #          | <3                                  | <3                                  |  |  |  |  |  |  |  |  | <3                                                           | ug/l  | TM15/PM10  |
| 1,4-Dichlorobenzene #          | <3                                  | <3                                  |  |  |  |  |  |  |  |  | <3                                                           | ug/l  | TM15/PM10  |
| Chlorobenzene #                | <2                                  | <2                                  |  |  |  |  |  |  |  |  | <2                                                           | ug/l  | TM15/PM10  |
| Chloromethanes                 |                                     |                                     |  |  |  |  |  |  |  |  |                                                              |       |            |
| Carbon tetrachloride #         | <2                                  | <2                                  |  |  |  |  |  |  |  |  | <2                                                           | ug/l  | TM15/PM10  |
| Chloroform #                   | <2                                  | <2                                  |  |  |  |  |  |  |  |  | <2                                                           | ug/l  | TM15/PM10  |
| Dichloromethane (DCM) #        | <3                                  | <3                                  |  |  |  |  |  |  |  |  | <3                                                           | ug/l  | TM15/PM10  |
| Chloromethane #                | <3                                  | <3                                  |  |  |  |  |  |  |  |  | <3                                                           | ug/l  | TM15/PM10  |
| Chloropropanes                 |                                     |                                     |  |  |  |  |  |  |  |  |                                                              |       |            |
| 1,2,3-Trichloropropane #       | <3                                  | <3                                  |  |  |  |  |  |  |  |  | <3                                                           | ug/l  | TM15/PM10  |
| 1,2-Dichloropropane #          | <2                                  | <2                                  |  |  |  |  |  |  |  |  | <2                                                           | ug/l  | TM15/PM10  |
| 2,2-Dichloropropane            | <1                                  | <1                                  |  |  |  |  |  |  |  |  | <1                                                           | ug/l  | TM15/PM10  |
| 1,3-Dichloropropane #          | <2                                  | <2                                  |  |  |  |  |  |  |  |  | <2                                                           | ug/l  | TM15/PM10  |
| Chloropropenes                 |                                     |                                     |  |  |  |  |  |  |  |  |                                                              |       |            |
| 1,1-Dichloropropene #          | <3                                  | <3                                  |  |  |  |  |  |  |  |  | <3                                                           | ug/l  | TM15/PM10  |
| cis-1-3-Dichloropropene        | <2                                  | <2                                  |  |  |  |  |  |  |  |  | <2                                                           | ug/l  | TM15/PM10  |
| trans-1-3-Dichloropropene      | <2                                  | <2                                  |  |  |  |  |  |  |  |  | <2                                                           | ug/l  | TM15/PM10  |
|                                |                                     |                                     |  |  |  |  |  |  |  |  |                                                              |       |            |
|                                |                                     |                                     |  |  |  |  |  |  |  |  |                                                              |       |            |
|                                |                                     |                                     |  |  |  |  |  |  |  |  |                                                              |       |            |
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|                                |                                     |                                     |  |  |  |  |  |  |  |  |                                                              |       |            |
|                                |                                     |                                     |  |  |  |  |  |  |  |  |                                                              |       |            |
|                                |                                     |                                     |  |  |  |  |  |  |  |  |                                                              |       |            |
|                                |                                     |                                     |  |  |  |  |  |  |  |  |                                                              |       |            |
|                                |                                     |                                     |  |  |  |  |  |  |  |  |                                                              |       |            |
|                                |                                     |                                     |  |  |  |  |  |  |  |  |                                                              |       |            |
|                                |                                     |                                     |  |  |  |  |  |  |  |  |                                                              |       |            |
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|                                |                                     |                                     |  |  |  |  |  |  |  |  |                                                              |       |            |
|                                |                                     |                                     |  |  |  |  |  |  |  |  |                                                              |       |            |
|                                |                                     |                                     |  |  |  |  |  |  |  |  |                                                              |       |            |
|                                |                                     |                                     |  |  |  |  |  |  |  |  |                                                              |       |            |
|                                |                                     |                                     |  |  |  |  |  |  |  |  |                                                              |       |            |
|                                |                                     |                                     |  |  |  |  |  |  |  |  |                                                              |       |            |
|                                |                                     |                                     |  |  |  |  |  |  |  |  |                                                              |       |            |
|                                |                                     |                                     |  |  |  |  |  |  |  |  |                                                              |       |            |

Please see attached notes for all abbreviations and acronyms

# Element Materials Technology

Client Name: ERM  
Reference: 0793827  
Location: Dow - Jarrow  
Contact: Amy Peacock  
EMT Job No: 25/14283

VOC Report : Liquid

| EMT Sample No.                           | 35-37                               | 38-40                               |  |  |  |  |  |  |  |  | Please see attached notes for all abbreviations and acronyms |       |            |
|------------------------------------------|-------------------------------------|-------------------------------------|--|--|--|--|--|--|--|--|--------------------------------------------------------------|-------|------------|
| Sample ID                                | 07 Plant-DS-<br>Low-WS-<br>20250901 | 07 Plant-US-<br>Low-WS-<br>20250901 |  |  |  |  |  |  |  |  |                                                              |       |            |
| Depth                                    |                                     |                                     |  |  |  |  |  |  |  |  |                                                              |       |            |
| COC No / misc                            |                                     |                                     |  |  |  |  |  |  |  |  |                                                              |       |            |
| Containers                               | V G                                 | V G                                 |  |  |  |  |  |  |  |  |                                                              |       |            |
| Sample Date                              | 01/09/2025                          | 01/09/2025                          |  |  |  |  |  |  |  |  |                                                              |       |            |
| Sample Type                              | Surface Water                       | Surface Water                       |  |  |  |  |  |  |  |  |                                                              |       |            |
| Batch Number                             | 1                                   | 1                                   |  |  |  |  |  |  |  |  | LOD/LOR                                                      | Units | Method No. |
| Date of Receipt                          | 02/09/2025                          | 02/09/2025                          |  |  |  |  |  |  |  |  |                                                              |       |            |
| VOC MS                                   |                                     |                                     |  |  |  |  |  |  |  |  |                                                              |       |            |
| Other VOCs                               |                                     |                                     |  |  |  |  |  |  |  |  |                                                              |       |            |
| Bromobenzene <sup>#</sup>                | <2                                  | <2                                  |  |  |  |  |  |  |  |  | <2                                                           | ug/l  | TM15/PM10  |
| Bromochloromethane <sup>#</sup>          | <2                                  | <2                                  |  |  |  |  |  |  |  |  | <2                                                           | ug/l  | TM15/PM10  |
| Bromodichloromethane <sup>#</sup>        | <2                                  | <2                                  |  |  |  |  |  |  |  |  | <2                                                           | ug/l  | TM15/PM10  |
| Bromoform                                | <2                                  | <2                                  |  |  |  |  |  |  |  |  | <2                                                           | ug/l  | TM15/PM10  |
| Bromomethane                             | <1                                  | <1                                  |  |  |  |  |  |  |  |  | <1                                                           | ug/l  | TM15/PM10  |
| n-Butylbenzene <sup>#</sup>              | <3                                  | <3                                  |  |  |  |  |  |  |  |  | <3                                                           | ug/l  | TM15/PM10  |
| sec-Butylbenzene <sup>#</sup>            | <3                                  | <3                                  |  |  |  |  |  |  |  |  | <3                                                           | ug/l  | TM15/PM10  |
| tert-Butylbenzene <sup>#</sup>           | <3                                  | <3                                  |  |  |  |  |  |  |  |  | <3                                                           | ug/l  | TM15/PM10  |
| 2-Chlorotoluene <sup>#</sup>             | <3                                  | <3                                  |  |  |  |  |  |  |  |  | <3                                                           | ug/l  | TM15/PM10  |
| 4-Chlorotoluene <sup>#</sup>             | <3                                  | <3                                  |  |  |  |  |  |  |  |  | <3                                                           | ug/l  | TM15/PM10  |
| Isopropylbenzene <sup>#</sup>            | <3                                  | <3                                  |  |  |  |  |  |  |  |  | <3                                                           | ug/l  | TM15/PM10  |
| 1,2-Dibromo-3-chloropropane              | <2                                  | <2                                  |  |  |  |  |  |  |  |  | <2                                                           | ug/l  | TM15/PM10  |
| Dibromochloromethane                     | <2                                  | <2                                  |  |  |  |  |  |  |  |  | <2                                                           | ug/l  | TM15/PM10  |
| 1,2-Dibromoethane <sup>#</sup>           | <2                                  | <2                                  |  |  |  |  |  |  |  |  | <2                                                           | ug/l  | TM15/PM10  |
| Dibromomethane <sup>#</sup>              | <3                                  | <3                                  |  |  |  |  |  |  |  |  | <3                                                           | ug/l  | TM15/PM10  |
| Dichlorodifluoromethane                  | <2                                  | <2                                  |  |  |  |  |  |  |  |  | <2                                                           | ug/l  | TM15/PM10  |
| 4-Isopropyltoluene <sup>#</sup>          | <3                                  | <3                                  |  |  |  |  |  |  |  |  | <3                                                           | ug/l  | TM15/PM10  |
| Propylbenzene <sup>#</sup>               | <3                                  | <3                                  |  |  |  |  |  |  |  |  | <3                                                           | ug/l  | TM15/PM10  |
| Styrene                                  | <2                                  | <2                                  |  |  |  |  |  |  |  |  | <2                                                           | ug/l  | TM15/PM10  |
| Trichlorofluoromethane <sup>#</sup>      | <3                                  | <3                                  |  |  |  |  |  |  |  |  | <3                                                           | ug/l  | TM15/PM10  |
| 1,2,4-Trimethylbenzene <sup>#</sup>      | <3                                  | <3                                  |  |  |  |  |  |  |  |  | <3                                                           | ug/l  | TM15/PM10  |
| 1,3,5-Trimethylbenzene <sup>#</sup>      | <3                                  | <3                                  |  |  |  |  |  |  |  |  | <3                                                           | ug/l  | TM15/PM10  |
| Methyl Tertiary Butyl Ether <sup>#</sup> | <0.1                                | <0.1                                |  |  |  |  |  |  |  |  | <0.1                                                         | ug/l  | TM15/PM10  |
| Hexachlorobutadiene                      | <3                                  | <3                                  |  |  |  |  |  |  |  |  | <3                                                           | ug/l  | TM15/PM10  |
| Naphthalene                              | <2                                  | <2                                  |  |  |  |  |  |  |  |  | <2                                                           | ug/l  | TM15/PM10  |
| Surrogate Recovery Toluene D8            | 98                                  | 100                                 |  |  |  |  |  |  |  |  | <0                                                           | %     | TM15/PM10  |
| Surrogate Recovery 4-Bromofluorobenzene  | 97                                  | 99                                  |  |  |  |  |  |  |  |  | <0                                                           | %     | TM15/PM10  |

|                     |              |
|---------------------|--------------|
| <b>Client Name:</b> | ERM          |
| <b>Reference:</b>   | 0793827      |
| <b>Location:</b>    | Dow - Jarrow |
| <b>Contact:</b>     | Amy Peacock  |

[illegible]

Please note that only samples that are deviating are mentioned in this report. If no samples are listed it is because none were deviating. Only analyses which are accredited are recorded as deviating if set criteria are not met.

It is a requirement under ISO 17025 that we inform clients if samples are deviating i.e. outside what is expected. A deviating sample indicates that the sample 'may' be compromised but not necessarily will be compromised. The result is still accredited and our analytical reports will still show accreditation on the relevant analytes.

# NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

EMT Job No.: 25/14283

## SOILS and ASH

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary. Asbestos samples are retained for 6 months.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Limits of detection for analyses carried out on as received samples are not moisture content corrected. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C. Ash samples are dried at 35°C ±5°C.

Where Mineral Oil is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Sufficient amount of sample must be received to carry out the testing specified. Where an insufficient amount of sample has been received the testing may not meet the requirements of our accredited methods, as such accreditation may be removed.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCl (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

The calculation of Pyrite content assumes that all oxidisable sulphides present in the sample are pyrite. This may not be the case. The calculation may be an overestimate when other sulphides such as Barite (Barium Sulphate) are present.

## WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 accreditation applies to surface water and groundwater and usually one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil is quoted, this refers to Total Aliphatics C10-C40.

## STACK EMISSIONS

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation for Dioxins and Furans and Dioxin like PCBs has been performed on XAD-2 Resin, only samples which use this resin will be within our MCERTS scope.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

## DEVIATING SAMPLES

All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. The temperature of sample receipt is recorded on the confirmation schedules in order that the client can make an informed decision as to whether testing should still be undertaken.

## SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

## DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

## BLANKS

Where analytes have been found in the blank, the sample will be treated in accordance with our laboratory procedure for dealing with contaminated blanks.

**NOTE**

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a requirement of our Accreditation Body for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.

Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

Laboratory records are kept for a period of no less than 6 years.

**REPORTS FROM THE SOUTH AFRICA LABORATORY**

Any method number not prefixed with SA has been undertaken in our UK laboratory unless reported as subcontracted.

**Measurement Uncertainty**

Measurement uncertainty defines the range of values that could reasonably be attributed to the measured quantity. This range of values has not been included within the reported results. Uncertainty expressed as a percentage can be provided upon request.

**Customer Provided Information**

Sample ID and depth is information provided by the customer.

**Age of Diesel**

The age of release estimation is based on the nC17/pristane ratio only as prescribed by Christensen and Larsen (1993) and Kaplan, Galperin, Alimi et al., (1996).

Age estimation should be treated with caution as it can be influenced by site specific factors of which the laboratory are not aware.

**Tentatively Identified Compounds (TICs)**

Where Tentatively Identified Compounds (TICs) are reported, up to 10 Tentatively Identified Compounds will be listed where there is found to be a greater than 80% match with the NIST library. The reported concentration is determined semi-quantitatively, with a matrix specific limit of detection.

Note, other compounds may be present but are not reported.

## ABBREVIATIONS and ACRONYMS USED

|         |                                                                                                                                                                          |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| #       | ISO17025 (UKAS Ref No. 4225) accredited - UK.                                                                                                                            |
| SA      | ISO17025 (SANAS Ref No.T0729) accredited - South Africa                                                                                                                  |
| B       | Indicates analyte found in associated method blank.                                                                                                                      |
| DR      | Dilution required.                                                                                                                                                       |
| M       | MCERTS accredited.                                                                                                                                                       |
| NA      | Not applicable                                                                                                                                                           |
| NAD     | No Asbestos Detected.                                                                                                                                                    |
| ND      | None Detected (usually refers to VOC and/SVOC TICs).                                                                                                                     |
| NDP     | No Determination Possible                                                                                                                                                |
| SS      | Calibrated against a single substance                                                                                                                                    |
| SV      | Surrogate recovery outside performance criteria. This may be due to a matrix effect.                                                                                     |
| W       | Results expressed on as received basis.                                                                                                                                  |
| +       | AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.                                                               |
| >>      | Results above quantitative calibration range. The result should be considered the minimum value and is indicative only. The actual result could be significantly higher. |
| *       | Analysis subcontracted to an Element Materials Technology approved laboratory.                                                                                           |
| CO      | Suspected carry over                                                                                                                                                     |
| LOD/LOR | Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS                                                                                                |
| ME      | Matrix Effect                                                                                                                                                            |
| NFD     | No Fibres Detected                                                                                                                                                       |
| BS      | AQC Sample                                                                                                                                                               |
| LB      | Blank Sample                                                                                                                                                             |
| N       | Client Sample                                                                                                                                                            |
| TB      | Trip Blank Sample                                                                                                                                                        |
| OC      | Outside Calibration Range                                                                                                                                                |
|         |                                                                                                                                                                          |
| AA      | x3 Dilution                                                                                                                                                              |

## HWOL ACRONYMS AND OPERATORS USED

|       |                                                                      |
|-------|----------------------------------------------------------------------|
| HS    | Headspace Analysis.                                                  |
| EH    | Extractable Hydrocarbons - i.e. everything extracted by the solvent. |
| CU    | Clean-up - e.g. by florisil, silica gel.                             |
| 1D    | GC - Single coil gas chromatography.                                 |
| Total | Aliphatics & Aromatics.                                              |
| AL    | Aliphatics only.                                                     |
| AR    | Aromatics only.                                                      |
| 2D    | GC-GC - Double coil gas chromatography.                              |
| #1    | EH_Total but with humics mathematically subtracted                   |
| #2    | EU_Total but with fatty acids mathematically subtracted              |
| _     | Operator - underscore to separate acronyms (exception for +).        |
| +     | Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total   |
| MS    | Mass Spectrometry.                                                   |

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| Test Method No. | Description                                                                                                                                                                                                                                                                                                                      | Prep Method No. (if appropriate) | Description                                                                                                                                                        | ISO 17025 (UKAS/ANAS) | MCERTS (UK soils only) | Analysis done on As Received (AR) or Dried (AD) | Reported on dry weight basis |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------|-------------------------------------------------|------------------------------|
| TM0             | Not available                                                                                                                                                                                                                                                                                                                    | PM0                              | No preparation is required.                                                                                                                                        |                       |                        |                                                 |                              |
| TM5             | Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GC/FID. For waters the solvent extracts dissolved phase plus a sheen if present.                                                                                                              | PM16/PM30                        | Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE/Water samples are extracted with solvent using a magnetic stirrer to create a vortex.  | Yes                   |                        |                                                 |                              |
| TM5/TM36        | please refer to TM5 and TM36 for method details                                                                                                                                                                                                                                                                                  | PM12/PM16/PM30                   | please refer to PM16/PM30 and PM12 for method details                                                                                                              | Yes                   |                        |                                                 |                              |
| TM15            | Modified USEPA 8260B v2:1996. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.                                                                                                                                                                                                                | PM10                             | Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.                                                           |                       |                        |                                                 |                              |
| TM15            | Modified USEPA 8260B v2:1996. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.                                                                                                                                                                                                                | PM10                             | Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.                                                           | Yes                   |                        |                                                 |                              |
| TM16            | Modified USEPA 8270D v5:2014. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.                                                                                                                                                                                                                    | PM30                             | Water samples are extracted with solvent using a magnetic stirrer to create a vortex.                                                                              |                       |                        |                                                 |                              |
| TM16            | Modified USEPA 8270D v5:2014. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.                                                                                                                                                                                                                    | PM30                             | Water samples are extracted with solvent using a magnetic stirrer to create a vortex.                                                                              | Yes                   |                        |                                                 |                              |
| TM30            | Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma-Optical Emission Spectrometry): WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009: SOILS by Modified USEP 6010B, Rev.2, Dec.1996; Modified EPA Method 3050B, Rev.2, Dec.1996 | PM14                             | Preparation of waters and leachates for metals by ICP OES/ICP MS. Samples are filtered for Dissolved metals, and remain unfiltered for Total metals then acidified |                       |                        |                                                 |                              |
| TM30            | Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma-Optical Emission Spectrometry): WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009: SOILS by Modified USEP 6010B, Rev.2, Dec.1996; Modified EPA Method 3050B, Rev.2, Dec.1996 | PM14                             | Preparation of waters and leachates for metals by ICP OES/ICP MS. Samples are filtered for Dissolved metals, and remain unfiltered for Total metals then acidified | Yes                   |                        |                                                 |                              |
| TM36            | Modified US EPA method 8015B v2:1996. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID. MTBE by GC/FID co-elutes with 3-methylpentane if present and therefore can give a false positive. Positive MTBE results will be re-run using GC-MS to double check, when requested. | PM12                             | Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.                                                           | Yes                   |                        |                                                 |                              |

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| Test Method No. | Description                                                                                                                                                                                                                                                                                                                                                                                                                      | Prep Method No. (if appropriate) | Description                 | ISO 17025 (UKAS/ANAS) | MCERTS (UK soils only) | Analysis done on As Received (AR) or Dried (AD) | Reported on dry weight basis |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------|-----------------------|------------------------|-------------------------------------------------|------------------------------|
| TM37            | Modified methods - TSS: USEPA 160.2 (1985), EN612:2003 and APHA SMWW 2540D:1999 22nd Edition; VSS: USEPA 1684 (Jan 2001), USEPA 160.4 (1971) and SMWW 2540E:1999 22nd Edition. Gravimetric determination of Total Suspended Solids (TSS) and Volatile Suspended Solids (VSS). Sample is filtered through a 1.5um pore size glass fibre filter and the resulting residue is dried and weighed at 105°C for TSS and 550°C for VSS. | PM0                              | No preparation is required. | Yes                   |                        |                                                 |                              |
| TM38            | Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) - All anions comparable to BS ISO 15923-1: 2013I                                                                                                                           | PM0                              | No preparation is required. |                       |                        |                                                 |                              |
| TM57            | Modified US EPA Method 410.4. (Rev. 2.0 1993) Comparable with ISO 15705:2002. Chemical Oxygen Demand is determined by hot digestion with Potassium Dichromate and measured spectrophotometrically.                                                                                                                                                                                                                               | PM0                              | No preparation is required. | Yes                   |                        |                                                 |                              |
| TM73            | Modified US EPA methods 150.1 (1982) and 9045D Rev. 4 - 2004) and BS1377-3:1990. Determination of pH by Metrohm automated probe analyser.                                                                                                                                                                                                                                                                                        | PM0                              | No preparation is required. | Yes                   |                        |                                                 |                              |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                  |                             |                       |                        |                                                 |                              |
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