

Appendix H Sanctus Environmental Monitoring

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
10225-1

REGISTERED
DATE
30/01/2024

RECEIVED
DATE
20/02/2024

ANALYSIS
STARTED
20/02/2024

ANALYSIS
COMPLETE
26/02/2024

LABORATORY

CUSTOMER

CLIENT CODE
CLIENT SITE
DATE SAMPLED (DD/MM/YY)

S3240
Ardrossan North Shore
09/02/2024

PO NUMBER
SAMPLING TIME (MIN)

S3240
10080

Matrix: Tenax TD Tube

Determinand	Technique	LOD	Accreditation	i2 Sample Number	711583	711584	711585	711586
				Pre Printed Barcode	749759	792017	749742	749747
				Sample Reference	EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4
Number of significant peaks	T352	0.0	None	N.D.	N.D.	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00225	< 0.00225	< 0.00225	< 0.00225	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰

Determinand	Technique	LOD	Accreditation	i2 Sample Number	711587	711588
				Pre Printed Barcode	792018	749776
				Sample Reference	EMS 2.5	EMS 2.6
Number of significant peaks	T352	0.0	None	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00225	< 0.00225	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰	< 0.0023 ⁴⁰⁰

				i2 Sample Number	711587	711588
				Pre Printed Barcode	792018	749776
				Sample Reference	EMS 2.5	EMS 2.6
Determinand	Technique	LOD	Accreditation			
VOC TIC3 Quant	T352	10.0 ng	None	<10.0	<10.0	<10.0
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁸³	< 0.0023 ⁴⁸³	< 0.0023 ⁴⁸³
VOC TIC4 Quant	T352	10.0 ng	None	<10.0	<10.0	<10.0
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁸³	< 0.0023 ⁴⁸³	< 0.0023 ⁴⁸³
VOC TIC5 Quant	T352	10.0 ng	None	<10.0	<10.0	<10.0
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁸³	< 0.0023 ⁴⁸³	< 0.0023 ⁴⁸³
VOC TIC6 Quant	T352	10.0 ng	None	<10.0	<10.0	<10.0
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁸³	< 0.0023 ⁴⁸³	< 0.0023 ⁴⁸³
VOC TIC7 Quant	T352	10.0 ng	None	<10.0	<10.0	<10.0
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁸³	< 0.0023 ⁴⁸³	< 0.0023 ⁴⁸³
VOC TIC8 Quant	T352	10.0 ng	None	<10.0	<10.0	<10.0
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁸³	< 0.0023 ⁴⁸³	< 0.0023 ⁴⁸³
VOC TIC9 Quant	T352	10.0 ng	None	<10.0	<10.0	<10.0
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁸³	< 0.0023 ⁴⁸³	< 0.0023 ⁴⁸³

Technical Reviewer Role



Senior Customer Service Advisor

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIR02-1-GCMS-TD	711583, 711584, 711585, 711586, 711587, 711588

Testing Location	Samples
All analysis was carried out at i2 Analytical [REDACTED]	711583, 711584, 711585, 711586, 711587, 711588

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene

Total VOC (excluding Targets)

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.

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Results in black are positive/detected results. Results in gray are below the LOD or have not been found.

LOD = Limit of Determination. This is the lowest reportable limit of the test.

The multi-sample report reference takes the form of [job number]-[version number].

483 - Uptake rate used to calculate mg/m3 is based on Toluene

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
10561-1

REGISTERED
DATE
12/02/2024

RECEIVED
DATE
26/03/2024

ANALYSIS
STARTED
26/03/2024

ANALYSIS
COMPLETE
02/04/2024

LABORATORY

CUSTOMER

CLIENT CODE
CLIENT SITE

S3240
Ardrossan North shore

PO NUMBER
SAMPLING TIME (MIN)

S3240
10080

Matrix: Tenax TD Tube

Determinand	Technique	LOD	Accreditation	i2 Sample Number Pre Printed Barcode Sample Reference EMS 2.1	718899 792057 EMS 2.1	718904 749777 EMS 2.2	718900 749709 EMS 2.3	718901 749661 EMS 2.4
				None	N.D.	N.D.	N.D.	N.D.
Number of significant peaks	T352	0.0	None		N.D.	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None		< 10.0	< 10.0	< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None		< 0.00225	< 0.00225	< 0.00225	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None		210 - Acetic acid ⁴⁹³	< 10.0 ¹⁵³	< 10.0 ¹⁵³	< 10.0 ¹⁵³
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None		0.0473	< 0.0023	< 0.0023	< 0.0023
VOC TIC10 Quant	T352	10.0 ng	None		91 - Formic Acid ⁴⁸³	< 10.0 ¹⁵³	< 10.0 ¹⁵³	< 10.0 ¹⁵³
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None		0.0205	< 0.0023	< 0.0023	< 0.0023
VOC TIC2 Quant	T352	10.0 ng	None		26 - Benzoic Acid ⁴⁸³	< 10.0 ¹⁵³	< 10.0 ¹⁵³	< 10.0 ¹⁵³
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None		0.0059	< 0.0023	< 0.0023	< 0.0023
VOC TIC3 Quant	T352	10.0 ng	None		15 - Styrene ⁴⁷⁵	< 10.0 ¹⁵³	< 10.0 ¹⁵³	< 10.0 ¹⁵³
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None		0.0041	< 0.0023	< 0.0023	< 0.0023
VOC TIC4 Quant	T352	10.0 ng	None		13 - Unidentifiable compound ⁴⁸³	< 10.0 ¹⁵³	< 10.0 ¹⁵³	< 10.0 ¹⁵³
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None		0.0029	< 0.0023	< 0.0023	< 0.0023
VOC TIC5 Quant	T352	10.0 ng	None		< 10.0 ¹⁵³	< 10.0 ¹⁵³	< 10.0 ¹⁵³	< 10.0 ¹⁵³
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC6 Quant	T352	10.0 ng	None		< 10.0 ¹⁵³	< 10.0 ¹⁵³	< 10.0 ¹⁵³	< 10.0 ¹⁵³
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC7 Quant	T352	10.0 ng	None		< 10.0 ¹⁵³	< 10.0 ¹⁵³	< 10.0 ¹⁵³	< 10.0 ¹⁵³
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC8 Quant	T352	10.0 ng	None		< 10.0 ¹⁵³	< 10.0 ¹⁵³	< 10.0 ¹⁵³	< 10.0 ¹⁵³
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC9 Quant	T352	10.0 ng	None		< 10.0 ¹⁵³	< 10.0 ¹⁵³	< 10.0 ¹⁵³	< 10.0 ¹⁵³
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0023	< 0.0023	< 0.0023	< 0.0023

Determinand	Technique	LOD	Accreditation	i2 Sample Number Pre Printed Barcode Sample Reference EMS 2.5	718902 792089 EMS 2.5	718903 792082 EMS 2.6
				None	N.D.	N.D.
Number of significant peaks	T352	0.0	None		N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None		< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None		< 0.00225	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None		< 10.0 ¹⁵³	< 10.0 ¹⁵³
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0023	< 0.0023
VOC TIC10 Quant	T352	10.0 ng	None		< 10.0 ¹⁵³	< 10.0 ¹⁵³
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0023	< 0.0023
VOC TIC2 Quant	T352	10.0 ng	None		< 10.0 ¹⁵³	< 10.0 ¹⁵³
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0023	< 0.0023
VOC TIC3 Quant	T352	10.0 ng	None		< 10.0 ¹⁵³	< 10.0 ¹⁵³
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0023	< 0.0023

i2 Sample Number	718902	718903
Pre Printed Barcode	792089	792082
Sample Reference	EMS 2.5	EMS 2.6

Determinand	Technique	LOD	Accreditation		
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0	< 10.0
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0	< 10.0
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0	< 10.0
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0	< 10.0
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0	< 10.0
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0	< 10.0
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023

Technical Reviewer Role

	Senior Customer Service Advisor
	Customer Service Advisor

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIR02-1-GCMS-TD	718899, 718900, 718901, 718902, 718903, 718904

Testing Location	Samples
All analysis was carried out at i2 Analytical	718899, 718900, 718901, 718902, 718903, 718904

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene

Total VOC (excluding Targets)

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.

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Results in black are positive/detected results. Results in gray are below the LOD or have not been found.

LOD = Limit of Determination. This is the lowest reportable limit of the test.

The multi-sample report reference takes the form of [job number]-[version number].

475 - Additional compounds have been identified within 1% of the library best fit

483 - Uptake rate used to calculate mg/m3 is based on Toluene

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
10784-1

REGISTERED
DATE
16/04/2024

RECEIVED
DATE
16/04/2024

ANALYSIS
STARTED
18/04/2024

ANALYSIS
COMPLETE
24/04/2024

LABORATORY

CUSTOMER

CLIENT CODE
DATE SAMPLED (DD/MM/YY)

S3240
04/04/2024

PO NUMBER
SAMPLING TIME (MIN)

S3240
10080

Matrix: Tenax TD Tube

Determinand	Technique	LOD	Accreditation	i2 Sample Number	752891	752892	752893	752894
				Pre Printed Barcode	437845	749746	437842	1143592
				Sample Reference	EMS2.1	EMS2.2	EMS2.3	EMS2.4
Number of significant peaks	T352	0.0	None	N.D.	N.D.	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00225	< 0.00225	< 0.00225	< 0.00225	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}	< 0.0023 ^{2.1}

Technical Reviewer Role

Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIR02-1-GCMS-TD	752891, 752892, 752893, 752894

Testing Location	Samples
All analysis was carried out at i2 Analytical (Poland), i2 Analytical Limited Sp z.o.o, Oddział w Polsce, ul.Pionierow 39, 41-711 Ruda Slaska, Poland	752891, 752892, 752893, 752894

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene
Total VOC (excluding Targets)

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.
 Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.
 Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.
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 Results in black are positive/detected results. Results in gray are below the LOD or have not been found.
 LOD = Limit of Determination. This is the lowest reportable limit of the test.
 The multi-sample report reference takes the form of [job number]-[version number].
 483 - Uptake rate used to calculate mg/m3 is based on Toluene

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
11921-1

REGISTERED
DATE
02/08/2024

RECEIVED
DATE
02/08/2024

ANALYSIS
STARTED
02/08/2024

ANALYSIS
COMPLETE
13/08/2024

LABORATORY

CUSTOMER

CLIENT CODE
CLIENT SITE
DATE SAMPLED (DD/MM/YY)

S3240
Ardrossan North Shore
02/07/2024

PO NUMBER
SAMPLING TIME (MIN)

S3240
43200

Matrix: Tenax TD Tube

Determinand	Technique	LOD	Accreditation	i2 Sample Number	820024	820025	820026	820027
				Pre Printed Barcode	749657	749645	749639	749718
				Sample Reference	EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4
Number of significant peaks	T352	0.0	None	N.D.	N.D.	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00053	< 0.00053	< 0.00053	< 0.00053	< 0.00053
VOC TIC1 Quant	T352	10.0 ng	None	< 10.0 ^{MS}	53 - Hexamethylcyclotrisiloxane ^{MS}	< 10.0 ^{MS}	< 10.0 ^{MS}	< 10.0 ^{MS}
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0007	0.0038	< 0.0007	< 0.0007	< 0.0007
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0 ^{MS}	< 10.0 ^{MS}	< 10.0 ^{MS}	< 10.0 ^{MS}	< 10.0 ^{MS}
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0007	< 0.0007	< 0.0007	< 0.0007	< 0.0007
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0 ^{MS}	< 10.0 ^{MS}	< 10.0 ^{MS}	< 10.0 ^{MS}	< 10.0 ^{MS}
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0007	< 0.0007	< 0.0007	< 0.0007	< 0.0007
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0 ^{MS}	< 10.0 ^{MS}	< 10.0 ^{MS}	< 10.0 ^{MS}	< 10.0 ^{MS}
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0007	< 0.0007	< 0.0007	< 0.0007	< 0.0007
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0 ^{MS}	< 10.0 ^{MS}	< 10.0 ^{MS}	< 10.0 ^{MS}	< 10.0 ^{MS}
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0007	< 0.0007	< 0.0007	< 0.0007	< 0.0007
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0 ^{MS}	< 10.0 ^{MS}	< 10.0 ^{MS}	< 10.0 ^{MS}	< 10.0 ^{MS}
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0007	< 0.0007	< 0.0007	< 0.0007	< 0.0007
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0 ^{MS}	< 10.0 ^{MS}	< 10.0 ^{MS}	< 10.0 ^{MS}	< 10.0 ^{MS}
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0007	< 0.0007	< 0.0007	< 0.0007	< 0.0007
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0 ^{MS}	< 10.0 ^{MS}	< 10.0 ^{MS}	< 10.0 ^{MS}	< 10.0 ^{MS}
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0007	< 0.0007	< 0.0007	< 0.0007	< 0.0007
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0 ^{MS}	< 10.0 ^{MS}	< 10.0 ^{MS}	< 10.0 ^{MS}	< 10.0 ^{MS}
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0007	< 0.0007	< 0.0007	< 0.0007	< 0.0007
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0 ^{MS}	< 10.0 ^{MS}	< 10.0 ^{MS}	< 10.0 ^{MS}	< 10.0 ^{MS}
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0007	< 0.0007	< 0.0007	< 0.0007	< 0.0007

Technical Reviewer Role

Senior Customer Service Advisor
Customer Service Advisor

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIRC2-1-GCMS-TD	820024, 820025, 820026, 820027

Testing Location	Samples
All analysis was carried out at i2 Analytical [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]	820024, 820025, 820026, 820027

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene
Total VOC (excluding Targets)

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.
Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.
Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.
This is a simplified test report
This certificate should not be reproduced, except in full, without the express permission of the laboratory
Results in black are positive/detected results. Results in gray are below the LOD or have not been found.
LOD = Limit of Determination. This is the lowest reportable limit of the test.
The multi-sample report reference takes the form of [job number]-[version number].
483 - Uptake rate used to calculate mg/m3 is based on Toluene

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
12087-1

REGISTERED
DATE
25/03/2024

RECEIVED
DATE
22/08/2024

ANALYSIS
STARTED
22/08/2024

ANALYSIS
COMPLETE
30/08/2024

LABORATORY

CUSTOMER

CLIENT CODE
CLIENT SITE

S3240

DATE SAMPLED (DD/MM/YY)

07/08/2024

Ardrossan North Shore

Matrix: Tenax TD Tube

Determinand	Technique	i2 Sample Number		741810		741811		741812		741815	
		PO Number		S3240							
		Pre Printed Barcode		780678 cleaning only		780674 cleaning only		792087		749822	
		Sample Reference						EMS 2.1		EMS 2.2	
		Sampling Time (min)						43200		43200	
		LOD	Accreditation								
Misc Charge	T352	0.0	None	Complete	Complete	-	-	-	-	-	-
Number of significant peaks	T352	0.0	None	-	-	N.D. ^{11/1}	N.D. ^{12/1}	-	-	-	-
Total VOC (excluding Targets)	T352	10.0 ng	None	-	-	< 10.0 ^{11/1}	< 10.0 ^{12/1}	-	-	-	-
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	-	-	< 0.00053 ^{11/1}	< 0.00053 ^{12/1}	-	-	-	-
VOC TIC1 Quant	T352	10.0 ng	None	-	-	< 10.0 ^{11/1}	< 10.0 ^{12/1}	-	-	-	-
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	-	-	< 0.0007 ^{11/1}	< 0.0007 ^{12/1}	-	-	-	-
VOC TIC10 Quant	T352	10.0 ng	None	-	-	< 10.0 ^{11/1}	< 10.0 ^{12/1}	-	-	-	-
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	-	-	< 0.0007 ^{11/1}	< 0.0007 ^{12/1}	-	-	-	-
VOC TIC2 Quant	T352	10.0 ng	None	-	-	< 10.0 ^{11/1}	< 10.0 ^{12/1}	-	-	-	-
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	-	-	< 0.0007 ^{11/1}	< 0.0007 ^{12/1}	-	-	-	-
VOC TIC3 Quant	T352	10.0 ng	None	-	-	< 10.0 ^{11/1}	< 10.0 ^{12/1}	-	-	-	-
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	-	-	< 0.0007 ^{11/1}	< 0.0007 ^{12/1}	-	-	-	-
VOC TIC4 Quant	T352	10.0 ng	None	-	-	< 10.0 ^{11/1}	< 10.0 ^{12/1}	-	-	-	-
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	-	-	< 0.0007 ^{11/1}	< 0.0007 ^{12/1}	-	-	-	-
VOC TIC5 Quant	T352	10.0 ng	None	-	-	< 10.0 ^{11/1}	< 10.0 ^{12/1}	-	-	-	-
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	-	-	< 0.0007 ^{11/1}	< 0.0007 ^{12/1}	-	-	-	-
VOC TIC6 Quant	T352	10.0 ng	None	-	-	< 10.0 ^{11/1}	< 10.0 ^{12/1}	-	-	-	-
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	-	-	< 0.0007 ^{11/1}	< 0.0007 ^{12/1}	-	-	-	-
VOC TIC7 Quant	T352	10.0 ng	None	-	-	< 10.0 ^{11/1}	< 10.0 ^{12/1}	-	-	-	-
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	-	-	< 0.0007 ^{11/1}	< 0.0007 ^{12/1}	-	-	-	-
VOC TIC8 Quant	T352	10.0 ng	None	-	-	< 10.0 ^{11/1}	< 10.0 ^{12/1}	-	-	-	-
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	-	-	< 0.0007 ^{11/1}	< 0.0007 ^{12/1}	-	-	-	-
VOC TIC9 Quant	T352	10.0 ng	None	-	-	< 10.0 ^{11/1}	< 10.0 ^{12/1}	-	-	-	-
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	-	-	< 0.0007 ^{11/1}	< 0.0007 ^{12/1}	-	-	-	-

i2 Sample Number	741813	741814
Pre Printed Barcode	749654	749646
Sample Reference	EMS 2.3	EMS 2.4
Sampling Time (min)	43200	43200

Determinand	Technique	LOD	Accreditation		
Number of significant peaks	T352	0.0	None	N.D. (17)	N.D. (17)
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0 (17)	< 10.0 (17)
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00053 (17)	< 0.00052 (17)
VOC TIC1 Quant	T352	10.0 ng	None	< 10.0 (17)	< 10.0 (17)
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0007 (17)	< 0.0007 (17)
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0 (17)	< 10.0 (17)
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0007 (17)	< 0.0007 (17)
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0 (17)	< 10.0 (17)
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0007 (17)	< 0.0007 (17)
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0 (17)	< 10.0 (17)
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0007 (17)	< 0.0007 (17)
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0 (17)	< 10.0 (17)
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0007 (17)	< 0.0007 (17)
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0 (17)	< 10.0 (17)
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0007 (17)	< 0.0007 (17)
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0 (17)	< 10.0 (17)
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0007 (17)	< 0.0007 (17)
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0 (17)	< 10.0 (17)
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0007 (17)	< 0.0007 (17)
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0 (17)	< 10.0 (17)
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0007 (17)	< 0.0007 (17)
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0 (17)	< 10.0 (17)
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0007 (17)	< 0.0007 (17)

Technical Reviewer Role

Senior Customer Service Advisor

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIR02-1-GCMS-TD	741810, 741811, 741812, 741813, 741814, 741815

Testing Location	Samples
All analysis was carried out at i2 Analytical [REDACTED]	741810, 741811, 741812, 741813, 741814, 741815

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene

Total VOC (excluding Targets)

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.
Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.
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Results in black are positive/detected results. Results in gray are below the LOD or have not been found.

LOD = Limit of Determination. This is the lowest reportable limit of the test.

The multi-sample report reference takes the form of [job number]-[version number].

483 - Uptake rate used to calculate mg/m3 is based on Toluene

1171 - Tube received with loose / missing end caps, therefore result may have been compromised due to sampling during transit.

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
2023-19-20-09:20:11

REGISTERED
DATE
20/09/2023

RECEIVED
DATE
09/10/2023

ANALYSIS
STARTED
09/10/2023

ANALYSIS
COMPLETE
19/10/2023

LABORATORY



CUSTOMER



CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 27/09/2023

PO NUMBER S3240
SAMPLING TIME (MIN) 12960

Matrix: Tenax TD Tube

Determinand	Technique	LOD	Accreditation	i2 Sample Number Pre Printed Barcode Sample Reference	647174 792076 EMS 2.2	647182 792057 EMS 2.3	647183 792035 EMS 2.4	647184 749630 EMS 2.5
					N.D.	N.D.	N.D.	N.D.
Number of significant peaks	T352	0.0	None		< 50.0 ¹⁰⁰ 130	< 50.0 ¹⁰⁰ 130	< 10.0	< 50.0 ¹⁰⁰ 130
Total VOC (excluding Targets)	T352	10.0 ng	None		< 0.00877	< 0.00877	< 0.00175	< 0.00877
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None		< 50.0 ¹⁰⁰ 130	< 50.0 ¹⁰⁰ 130	11 - Unidentifiable compound ¹⁰⁰	< 50.0 ¹⁰⁰ 130
VOC TIC1 Quant	T352	10.0 ng	None		< 0.009	< 0.009	0.0020	< 0.009
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None		< 50.0 ¹⁰⁰ 130	< 50.0 ¹⁰⁰ 130	< 10.0	< 50.0 ¹⁰⁰ 130
VOC TIC10 Quant	T352	10.0 ng	None		< 0.009	< 0.009	< 0.002	< 0.009
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None		< 50.0 ¹⁰⁰ 130	< 50.0 ¹⁰⁰ 130	< 10.0	< 50.0 ¹⁰⁰ 130
VOC TIC2 Quant	T352	10.0 ng	None		< 0.009	< 0.009	< 0.002	< 0.009
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None		< 50.0 ¹⁰⁰ 130	< 50.0 ¹⁰⁰ 130	< 10.0	< 50.0 ¹⁰⁰ 130
VOC TIC3 Quant	T352	10.0 ng	None		< 0.009	< 0.009	< 0.002	< 0.009
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None		< 50.0 ¹⁰⁰ 130	< 50.0 ¹⁰⁰ 130	< 10.0	< 50.0 ¹⁰⁰ 130
VOC TIC4 Quant	T352	10.0 ng	None		< 0.009	< 0.009	< 0.002	< 0.009
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None		< 50.0 ¹⁰⁰ 130	< 50.0 ¹⁰⁰ 130	< 10.0	< 50.0 ¹⁰⁰ 130
VOC TIC5 Quant	T352	10.0 ng	None		< 0.009	< 0.009	< 0.002	< 0.009
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None		< 50.0 ¹⁰⁰ 130	< 50.0 ¹⁰⁰ 130	< 10.0	< 50.0 ¹⁰⁰ 130
VOC TIC6 Quant	T352	10.0 ng	None		< 0.009	< 0.009	< 0.002	< 0.009
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None		< 50.0 ¹⁰⁰ 130	< 50.0 ¹⁰⁰ 130	< 10.0	< 50.0 ¹⁰⁰ 130
VOC TIC7 Quant	T352	10.0 ng	None		< 0.009	< 0.009	< 0.002	< 0.009
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None		< 50.0 ¹⁰⁰ 130	< 50.0 ¹⁰⁰ 130	< 10.0	< 50.0 ¹⁰⁰ 130
VOC TIC8 Quant	T352	10.0 ng	None		< 0.009	< 0.009	< 0.002	< 0.009
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None		< 50.0 ¹⁰⁰ 130	< 50.0 ¹⁰⁰ 130	< 10.0	< 50.0 ¹⁰⁰ 130
VOC TIC9 Quant	T352	10.0 ng	None		< 0.009	< 0.009	< 0.002	< 0.009
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None		< 50.0 ¹⁰⁰ 130	< 50.0 ¹⁰⁰ 130	< 10.0	< 50.0 ¹⁰⁰ 130

i2 Sample Number 647185
Pre Printed Barcode 792027
Sample Reference EMS 2.6

Determinand	Technique	LOD	Accreditation	
Number of significant peaks	T352	0.0	None	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 100.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.0175
VOC TIC1 Quant	T352	10.0 ng	None	< 100.0
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.018
VOC TIC10 Quant	T352	10.0 ng	None	< 100.0
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.018
VOC TIC2 Quant	T352	10.0 ng	None	< 100.0
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.018
VOC TIC3 Quant	T352	10.0 ng	None	< 100.0
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.018
VOC TIC4 Quant	T352	10.0 ng	None	< 100.0
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.018
VOC TIC5 Quant	T352	10.0 ng	None	< 100.0
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.018
VOC TIC6 Quant	T352	10.0 ng	None	< 100.0
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.018
VOC TIC7 Quant	T352	10.0 ng	None	< 100.0
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.018
VOC TIC8 Quant	T352	10.0 ng	None	< 100.0
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.018
VOC TIC9 Quant	T352	10.0 ng	None	< 100.0
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.018

Technical Reviewer Role

Customer Service Manager

Senior Customer Service Advisor

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIR02-1-GCMS-TD	647174, 647182, 647183, 647184, 647185

Testing Location	Samples
All analysis was carried out at i2 Analytical	647174, 647182, 647183, 647184, 647185

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene

Total VOC (excluding Targets)

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.

This is a simplified test report

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Results in black are positive/detected results. Results in gray are below the LOD or have not been found.

LOD = Limit of Determination. This is the lowest reportable limit of the test.

483 - Uptake rate used to calculate mg/m3 is based on Toluene

732 - LOD Raised due to poor IS recovery and compound response

914 - Quality control surrogate recovery outside of limits, other check applied prior to reporting the data have been accepted. The result should be considered as being deviating and may be compromised

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
2023-19-19-09:19:12

REGISTERED
DATE
20/09/2023

RECEIVED
DATE
12/10/2023

ANALYSIS
STARTED
12/10/2023

ANALYSIS
COMPLETE
19/10/2023

LABORATORY



CUSTOMER



CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 27/09/2023
PO NUMBER S3240

PRE PRINTED BARCODE 792052
SAMPLE REFERENCE EMS 2.1
SAMPLING TIME (MIN) 12960

Matrix: Tenax TD Tube

Determinand	Technique	LOD	i2 Sample Number	647175
Number of significant peaks	T352	0.0	None	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0 ²³³
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00175
VOC TIC1 Quant	T352	10.0 ng	None	< 10.0 ²³³
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0 ²³³
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0 ²³³
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0 ²³³
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0 ²³³
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0 ²³³
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0 ²³³
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0 ²³³
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0 ²³³
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0 ²³³
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002

Technical Reviewer Role



Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIR02-1-GCMS-TD	647175

Testing Location	Samples
All analysis was carried out at i2 Analytical	647175

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene
Total VOC (excluding Targets)

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.
Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.
Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.
This is a simplified test report.
This certificate should not be reproduced, except in full, without the express permission of the laboratory.
Results in black are positive/detected results. Results in gray are below the LOD or have not been found.
LOD = Limit of Determination. This is the lowest reportable limit of the test.
483 - Uptake rate used to calculate mg/m3 is based on Toluene

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
2023-30-50-12:50:37

REGISTERED
DATE
20/09/2023

RECEIVED
DATE
20/10/2023

ANALYSIS
STARTED
24/10/2023

ANALYSIS
COMPLETE
30/10/2023

LABORATORY

CUSTOMER

CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 05/10/2023

PO NUMBER S3240
SAMPLING TIME (MIN) 11520

Matrix: Tenax TD Tube

Determinand	Technique	LOD	Accreditation	i2 Sample Number	647176	647177	647178	647179
				Pre Printed Barcode	792021	792058	749652	792053
				Sample Reference	EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4
Number of significant peaks	T352	0.0	None	N.D.	N.D.	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0	< 10.0	< 50.0	< 50.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00197	< 0.00197	< 0.00986	< 0.00197	< 0.00197
VOC TIC1 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 50.0	< 50.0	< 10.0
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.002	< 0.0099	< 0.002	< 0.002
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 50.0	< 50.0	< 10.0
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.002	< 0.0099	< 0.002	< 0.002
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 50.0	< 50.0	< 10.0
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.002	< 0.0099	< 0.002	< 0.002
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 50.0	< 50.0	< 10.0
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.002	< 0.0099	< 0.002	< 0.002
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 50.0	< 50.0	< 10.0
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.002	< 0.0099	< 0.002	< 0.002
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 50.0	< 50.0	< 10.0
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.002	< 0.0099	< 0.002	< 0.002
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 50.0	< 50.0	< 10.0
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.002	< 0.0099	< 0.002	< 0.002
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 50.0	< 50.0	< 10.0
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.002	< 0.0099	< 0.002	< 0.002
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 50.0	< 50.0	< 10.0
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.002	< 0.0099	< 0.002	< 0.002
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 50.0	< 50.0	< 10.0
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.002	< 0.0099	< 0.0099	< 0.002

Determinand	Technique	LOD	Accreditation	i2 Sample Number	647180	647181
				Pre Printed Barcode	749703	749605
				Sample Reference	EMS 2.5	EMS 2.6
Number of significant peaks	T352	0.0	None	N.D. ^{241 1817}	N.D.	
Total VOC (excluding Targets)	T352	10.0 ng	None	< 50.0 ^{241 1817}	< 10.0	
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00986	< 0.00197	
VOC TIC1 Quant	T352	10.0 ng	None	< 50.0 ^{241 1817}	18 - Sulphur Dioxide ⁴⁸³	
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0099	0.0036	
VOC TIC10 Quant	T352	10.0 ng	None	< 50.0 ^{241 1817}	< 10.0 ³⁰⁷	
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0099	< 0.002	
VOC TIC2 Quant	T352	10.0 ng	None	< 50.0 ^{241 1817}	18 - Acetone ⁴⁸³	
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0099	0.0036	

i2 Sample Number 647180 647181
Pre Printed Barcode 749703 749605
Sample Reference EMS 2.5 EMS 2.6

Determinand	Technique	LOD	Accreditation		
VOC TIC3 Quant	T352	10.0 ng	None	< 50.0	< 10.0
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0099	< 0.002
VOC TIC4 Quant	T352	10.0 ng	None	< 50.0	< 10.0
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0099	< 0.002
VOC TIC5 Quant	T352	10.0 ng	None	< 50.0	< 10.0
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0099	< 0.002
VOC TIC6 Quant	T352	10.0 ng	None	< 50.0	< 10.0
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0099	< 0.002
VOC TIC7 Quant	T352	10.0 ng	None	< 50.0	< 10.0
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0099	< 0.002
VOC TIC8 Quant	T352	10.0 ng	None	< 50.0	< 10.0
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0099	< 0.002
VOC TIC9 Quant	T352	10.0 ng	None	< 50.0	< 10.0
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0099	< 0.002

Technical Reviewer Role

Senior Customer Service Advisor

Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIR02-1-GCMS-TD	647176, 647177, 647178, 647179, 647180, 647181

Testing Location	Samples
All analysis was carried out at i2 Analytical	647176, 647177, 647178, 647179, 647180, 647181

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene

Total VOC (excluding Targets)

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.

This is a simplified test report

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Results in black are positive/detected results. Results in gray are below the LOD or have not been found.

LOD = Limit of Determination. This is the lowest reportable limit of the test.

483 - Uptake rate used to calculate mg/m3 is based on Toluene.

732 - LOD Raised due to poor IS recovery and compound response

1027 - Quality control surrogate recovery outside of limits, other checks applied prior to reporting the data have been accepted. The result should be considered as being deviating and may be compromised

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
2023-31-45-09:45:32

REGISTERED
DATE
09/10/2023

RECEIVED
DATE
23/10/2023

ANALYSIS
STARTED
24/10/2023

ANALYSIS
COMPLETE
31/10/2023

LABORATORY

CUSTOMER

CLIENT CODE
CLIENT SITE

S3240
Ardrossan North Shore

DATE SAMPLED (DD/MM/YY)
SAMPLING TIME (MIN)

13/10/2023
11520

Matrix: Tenax TD Tube

Determinand	Technique	LOD	Accreditation	i2 Sample Number			
				Pre Printed Barcode			
				Sample Reference			
				EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4
Number of significant peaks	T352	0.0	None	N.D.	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0 ²⁴⁸	< 30.0 ²⁴⁹ 100 ²⁵⁰	< 10.0 ²⁵¹	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00197	< 0.00592	< 0.00197	< 0.00197
VOC TIC1 Quant	T352	10.0 ng	None	< 10.0 ²⁴⁸	< 30.0 ²⁴⁹ 100 ²⁵⁰	< 10.0 ²⁵¹	31 - Acetone ²⁵³
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.006	< 0.002	0.0061
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0 ²⁴⁸	< 30.0 ²⁴⁹ 100 ²⁵⁰	< 10.0 ²⁵¹	< 10.0 ²⁵²
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.006	< 0.002	< 0.002
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0 ²⁴⁸	< 30.0 ²⁴⁹ 100 ²⁵⁰	< 10.0 ²⁵¹	< 10.0 ²⁵²
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.006	< 0.002	< 0.002
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0 ²⁴⁸	< 30.0 ²⁴⁹ 100 ²⁵⁰	< 10.0 ²⁵¹	< 10.0 ²⁵²
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.006	< 0.002	< 0.002
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0 ²⁴⁸	< 30.0 ²⁴⁹ 100 ²⁵⁰	< 10.0 ²⁵¹	< 10.0 ²⁵²
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.006	< 0.002	< 0.002
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0 ²⁴⁸	< 30.0 ²⁴⁹ 100 ²⁵⁰	< 10.0 ²⁵¹	< 10.0 ²⁵²
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.006	< 0.002	< 0.002
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0 ²⁴⁸	< 30.0 ²⁴⁹ 100 ²⁵⁰	< 10.0 ²⁵¹	< 10.0 ²⁵²
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.006	< 0.002	< 0.002
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0 ²⁴⁸	< 30.0 ²⁴⁹ 100 ²⁵⁰	< 10.0 ²⁵¹	< 10.0 ²⁵²
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.006	< 0.002	< 0.002
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0 ²⁴⁸	< 30.0 ²⁴⁹ 100 ²⁵⁰	< 10.0 ²⁵¹	< 10.0 ²⁵²
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.006	< 0.002	< 0.002
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0 ²⁴⁸	< 30.0 ²⁴⁹ 100 ²⁵⁰	< 10.0 ²⁵¹	< 10.0 ²⁵²
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.006	< 0.002	< 0.002

Determinand	Technique	LOD	Accreditation	i2 Sample Number	
				Pre Printed Barcode	
				Sample Reference	
				EMS 2.5	EMS 2.6
Number of significant peaks	T352	0.0	None	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00197	< 0.00197
VOC TIC1 Quant	T352	10.0 ng	None	37 - Acetone ⁴⁸³	16 - Acetone ⁴⁸³
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	0.0073	0.0030
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0 ²⁵³	< 10.0 ²⁵⁴
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.002
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0 ²⁵⁵	< 10.0 ²⁵⁶
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.002
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0 ²⁵⁷	< 10.0 ²⁵⁸
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.002

Determinand	Technique	LOD	Accreditation	i2 Sample Number	657063	657064
				Pre Printed Barcode	749664	749672
				Sample Reference	EMS 2.5	EMS 2.6
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁹⁷	< 10.0 ¹⁰⁹⁷	
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.002	
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁹⁷	< 10.0 ¹⁰⁹⁷	
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.002	
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁹⁷	< 10.0 ¹⁰⁹⁷	
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.002	
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁹⁷	< 10.0 ¹⁰⁹⁷	
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.002	
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁹⁷	< 10.0 ¹⁰⁹⁷	
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.002	
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁹⁷	< 10.0 ¹⁰⁹⁷	
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.002	

Technical Reviewer Role

Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIR02-1-GCMS-TD	657059, 657060, 657061, 657062, 657063, 657064

Testing Location	Samples
All analysis was carried out at i2 Analytical	657059, 657060, 657061, 657062, 657063, 657064

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene

Total VOC (excluding Targets)

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.

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Results in black are positive/detected results. Results in gray are below the LOD or have not been found.

LOD = Limit of Determination. This is the lowest reportable limit of the test.

483 - Uptake rate used to calculate mg/m3 is based on Toluene

732 - LOD Raised due to poor IS recovery and compound response

1097 - Quality control parameter failure associated with this result; other checks applied prior to reporting the data have been accepted. The result should be considered as being deviating and may be compromised.

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
2023-17-14-11:14:51

REGISTERED
DATE
20/10/2023

RECEIVED
DATE
07/11/2023

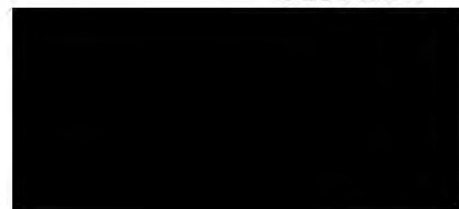
ANALYSIS
STARTED
09/11/2023

ANALYSIS
COMPLETE
17/11/2023

LABORATORY



CUSTOMER



CLIENT CODE
CLIENT SITE

S3240
Ardrossan North Shore

DATE SAMPLED (DD/MM/YY)
SAMPLING TIME (MIN)

13/10/2023
7200

Matrix: Tenax TD Tube

Determinand	Technique	LOD	Accreditation	i2 Sample Number	664319	664321	664322	664325
				Pre Printed Barcode	736847	749719	749712	749766
				Sample Reference	EMS2.1	EMS2.2	EMS2.3	EMS2.4
Number of significant peaks	T352	0.0	None	N.D.	N.D.	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	N.D.	N.D.	N.D.	N.D.	N.D.
VOC TIC1 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}

Determinand	Technique	LOD	Accreditation	i2 Sample Number	664326	664329
				Pre Printed Barcode	749777	780667
				Sample Reference	EMS2.5	EMS2.6
Number of significant peaks	T352	0.0	None	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	N.D.	N.D.	N.D.
VOC TIC1 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}	< 0.0032 ^{1/2}

i2 Sample Number 664326 664329
Pre Printed Barcode 749777 780657
Sample Reference EMS2.5 EMS2.6

Determinand	Technique	LOD	Accreditation		
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0	< 10.0
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ⁴⁸³	< 0.0032 ⁴⁸³
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0	< 10.0
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ⁴⁸³	< 0.0032 ⁴⁸³
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0	< 10.0
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ⁴⁸³	< 0.0032 ⁴⁸³
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0	< 10.0
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ⁴⁸³	< 0.0032 ⁴⁸³
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0	< 10.0
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ⁴⁸³	< 0.0032 ⁴⁸³
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0	< 10.0
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ⁴⁸³	< 0.0032 ⁴⁸³

Technical Reviewer Role

Senior Customer Service Advisor

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIR02-1-GCMS-TD	664319, 664321, 664322, 664325, 664326, 664329

Testing Location	Samples
All analysis was carried out at i2 Analytical	664319, 664321, 664322, 664325, 664326, 664329

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene

Total VOC (excluding Targets)

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.

This is a simplified test report.

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Results in black are positive/detected results. Results in gray are below the LOD or have not been found.

LOD = Limit of Determination. This is the lowest reportable limit of the test.

483 - Uptake rate used to calculate mg/m3 is based on Toluene

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
2023-27-53-15:53:14

REGISTERED
DATE
30/10/2023

RECEIVED
DATE
14/11/2023

ANALYSIS
STARTED
14/11/2023

ANALYSIS
COMPLETE
27/11/2023

LABORATORY
i2 Analytical
Croxley Green Business Park
7 Woodshots Meadow
Watford
WD18 8YS

CUSTOMER
Sanctus Ltd
Sanctus House
1 Olympus Park Business Centre
Quedgeley
Gloucester
Gloucestershire
GL2 4DH

CLIENT CODE
CLIENT SITE

S3240

Ardrossan North Shore

PO NUMBER

S3240

SAMPLING TIME (MIN)

10080

Matrix: Tenax TD Tube

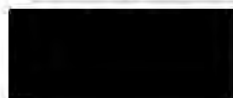
Determinand	Technique	LOD	Accreditation	i2 Sample Number	668885	668886	668887	668888
				Pre Printed Barcode	749680	749739	749658	749643
				Sample Reference	EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4
Number of significant peaks	T352	0.0	None	N.D.	N.D.	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00225	< 0.00225	< 0.00225	< 0.00225	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002 ²⁵³	< 0.002 ²⁵³	< 0.002 ²⁵³	< 0.002 ²⁵³	< 0.002 ²⁵³
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002 ²⁵⁴	< 0.002 ²⁵⁴	< 0.002 ²⁵⁴	< 0.002 ²⁵⁴	< 0.002 ²⁵⁴
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002 ²⁵⁵	< 0.002 ²⁵⁵	< 0.002 ²⁵⁵	< 0.002 ²⁵⁵	< 0.002 ²⁵⁵
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002 ²⁵⁶	< 0.002 ²⁵⁶	< 0.002 ²⁵⁶	< 0.002 ²⁵⁶	< 0.002 ²⁵⁶
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002 ²⁵⁷	< 0.002 ²⁵⁷	< 0.002 ²⁵⁷	< 0.002 ²⁵⁷	< 0.002 ²⁵⁷
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002 ²⁵⁸	< 0.002 ²⁵⁸	< 0.002 ²⁵⁸	< 0.002 ²⁵⁸	< 0.002 ²⁵⁸
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002 ²⁵⁹	< 0.002 ²⁵⁹	< 0.002 ²⁵⁹	< 0.002 ²⁵⁹	< 0.002 ²⁵⁹
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002 ²⁶⁰	< 0.002 ²⁶⁰	< 0.002 ²⁶⁰	< 0.002 ²⁶⁰	< 0.002 ²⁶⁰
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002 ²⁶¹	< 0.002 ²⁶¹	< 0.002 ²⁶¹	< 0.002 ²⁶¹	< 0.002 ²⁶¹
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002 ²⁶²	< 0.002 ²⁶²	< 0.002 ²⁶²	< 0.002 ²⁶²	< 0.002 ²⁶²

Determinand	Technique	LOD	Accreditation	i2 Sample Number	668889	668890
				Pre Printed Barcode	749764	749726
				Sample Reference	EMS 2.5	EMS 2.6
Number of significant peaks	T352	0.0	None	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00225	< 0.00225	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002 ²⁶³	< 0.002 ²⁶³	< 0.002 ²⁶³
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002 ²⁶⁴	< 0.002 ²⁶⁴	< 0.002 ²⁶⁴
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002 ²⁶⁵	< 0.002 ²⁶⁵	< 0.002 ²⁶⁵
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002 ²⁶⁶	< 0.002 ²⁶⁶	< 0.002 ²⁶⁶

i2 Sample Number 668889 668890
Pre Printed Barcode 749764 749726
Sample Reference EMS 2.5 EMS 2.6

Determinand	Technique	LOD	Accreditation		
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0	< 10.0
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002 ⁽¹⁾	< 0.002 ⁽¹⁾
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0	< 10.0
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002 ⁽¹⁾	< 0.002 ⁽¹⁾
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0	< 10.0
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002 ⁽¹⁾	< 0.002 ⁽¹⁾
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0	< 10.0
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002 ⁽¹⁾	< 0.002 ⁽¹⁾
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0	< 10.0
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002 ⁽¹⁾	< 0.002 ⁽¹⁾
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0	< 10.0
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002 ⁽¹⁾	< 0.002 ⁽¹⁾

Technical Reviewer Role



Senior Customer Service Advisor

Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIR02-1-GCMS-TD	668885, 668886, 668887, 668888, 668889, 668890

Testing Location	Samples
All analysis was carried out at i2 Analytical	668885, 668886, 668887, 668888, 668889, 668890

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene

Total VOC (excluding Targets)

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.

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Results in black are positive/detected results. Results in gray are below the LOD or have not been found.

LOD = Limit of Determination. This is the lowest reportable limit of the test.

483 - Uptake rate used to calculate mg/m3 is based on Toluene

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
2023-29-48-15:48:18

REGISTERED
DATE
20/10/2023

RECEIVED
DATE
21/11/2023

ANALYSIS
STARTED
22/11/2023

ANALYSIS
COMPLETE
29/11/2023

LABORATORY

CUSTOMER

CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 17/11/2023

PO NUMBER S3240
SAMPLING TIME (MIN) 10080

Matrix: Tenax TD Tube

Determinand	Technique	LOD	Accreditation	i2 Sample Number	664320	664323	664324	664327
				Pre Printed Barcode	792083	780671	749663	792044
				Sample Reference	EMS2.1	EMS2.2	EMS2.3	EMS2.4
Number of significant peaks	T352	0.0	None	N.D.	N.D.	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00225	< 0.00225	< 0.00225	< 0.00225	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁽¹⁾	< 0.0023 ⁽²⁾	< 0.0023 ⁽³⁾	< 0.0023 ⁽⁴⁾	< 0.0023 ⁽⁵⁾
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁽¹⁾	< 0.0023 ⁽²⁾	< 0.0023 ⁽³⁾	< 0.0023 ⁽⁴⁾	< 0.0023 ⁽⁵⁾
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁽¹⁾	< 0.0023 ⁽²⁾	< 0.0023 ⁽³⁾	< 0.0023 ⁽⁴⁾	< 0.0023 ⁽⁵⁾
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁽¹⁾	< 0.0023 ⁽²⁾	< 0.0023 ⁽³⁾	< 0.0023 ⁽⁴⁾	< 0.0023 ⁽⁵⁾
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁽¹⁾	< 0.0023 ⁽²⁾	< 0.0023 ⁽³⁾	< 0.0023 ⁽⁴⁾	< 0.0023 ⁽⁵⁾
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁽¹⁾	< 0.0023 ⁽²⁾	< 0.0023 ⁽³⁾	< 0.0023 ⁽⁴⁾	< 0.0023 ⁽⁵⁾
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁽¹⁾	< 0.0023 ⁽²⁾	< 0.0023 ⁽³⁾	< 0.0023 ⁽⁴⁾	< 0.0023 ⁽⁵⁾
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁽¹⁾	< 0.0023 ⁽²⁾	< 0.0023 ⁽³⁾	< 0.0023 ⁽⁴⁾	< 0.0023 ⁽⁵⁾
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁽¹⁾	< 0.0023 ⁽²⁾	< 0.0023 ⁽³⁾	< 0.0023 ⁽⁴⁾	< 0.0023 ⁽⁵⁾
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁽¹⁾	< 0.0023 ⁽²⁾	< 0.0023 ⁽³⁾	< 0.0023 ⁽⁴⁾	< 0.0023 ⁽⁵⁾

Determinand	Technique	LOD	Accreditation	i2 Sample Number	664328	664330
				Pre Printed Barcode	749722	749760
				Sample Reference	EMS2.5	EMS2.6
Number of significant peaks	T352	0.0	None	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00225	< 0.00225	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁽¹⁾	< 0.0023 ⁽²⁾	< 0.0023 ⁽³⁾
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁽¹⁾	< 0.0023 ⁽²⁾	< 0.0023 ⁽³⁾
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁽¹⁾	< 0.0023 ⁽²⁾	< 0.0023 ⁽³⁾

i2 Sample Number	664328	664330
Pre Printed Barcode	749722	749760
Sample Reference	EMS2.5	EMS2.6

Determinand	Technique	LOD	Accreditation		
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0	< 10.0
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁸³	< 0.0023 ⁴⁸³
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0	< 10.0
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁸³	< 0.0023 ⁴⁸³
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0	< 10.0
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁸³	< 0.0023 ⁴⁸³
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0	< 10.0
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁸³	< 0.0023 ⁴⁸³
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0	< 10.0
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁸³	< 0.0023 ⁴⁸³
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0	< 10.0
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁸³	< 0.0023 ⁴⁸³
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0	< 10.0
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁸³	< 0.0023 ⁴⁸³

Technical Reviewer	Role
--------------------	------

Senior Customer Service Advisor

Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIR02-1-GCMS-TD	664320, 664323, 664324, 664327, 664328, 664330

Testing Location	Samples
All analysis was carried out at i2 Analytical	664320, 664323, 664324, 664327, 664328, 664330

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene

Total VOC (excluding Targets)

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.

This is a simplified test report

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Results in black are positive/detected results. Results in gray are below the LOD or have not been found.

LOD = Limit of Determination. This is the lowest reportable limit of the test.

483 - Uptake rate used to calculate mg/m3 is based on Toluene

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
9478-1

REGISTERED
DATE
14/11/2023

RECEIVED
DATE
29/11/2023

ANALYSIS
STARTED
29/11/2023

ANALYSIS
COMPLETE
11/12/2023

LABORATORY

CUSTOMER

CLIENT CODE
CLIENT SITE

S3240

SAMPLING TIME (MIN)

10080

Arrossan North Shore

Matrix: Tenax TD Tube

Determinand	Technique	LOD	Accreditation	i2 Sample Number	676142	676143	676144	676145	
				Pre Printed Barcode	749609	749652	749646	792027	
				Sample Reference	EMS2.1	EMS2.2	EMS2.3	EMS2.4	
Number of significant peaks	T352	0.0	None	N.D.	¹⁰⁰⁷	N.D.	¹⁰⁰⁷	N.D.	¹⁰⁰⁷
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0	¹⁰⁰⁷	< 10.0	¹⁰⁰⁷	< 10.0	¹⁰⁰⁷
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00225		< 0.00225		< 0.00225	
VOC TIC1 Quant	T352	10.0 ng	None	19 - Methyl vinyl ketone	⁴⁸³ ¹⁰⁹⁷	< 10.0	¹⁰⁰⁷ ¹⁰⁰⁷	20 - n-hexane	13 - Decanal
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	0.0043		< 0.002		0.0045	0.0029
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0	¹⁰⁰⁷ ¹⁰⁰⁷	< 10.0	¹⁰⁰⁷ ¹⁰⁰⁷	< 10.0	¹⁰⁰⁷ ¹⁰⁰⁷
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002		< 0.002		< 0.002	< 0.002
VOC TIC2 Quant	T352	10.0 ng	None	17 - 2-Butanone	⁴⁸³ ¹⁰⁹⁷	< 10.0	¹⁰⁰⁷ ¹⁰⁰⁷	< 10.0	11 - n-hexane
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	0.0038		< 0.002		< 0.002	0.0025
VOC TIC3 Quant	T352	10.0 ng	None	12 - Alanine	⁴⁸³ ¹⁰⁹⁷	< 10.0	¹⁰⁰⁷ ¹⁰⁰⁷	< 10.0	¹⁰⁰⁷ ¹⁰⁰⁷
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	0.0027		< 0.002		< 0.002	< 0.002
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0	¹⁰⁰⁷ ¹⁰⁰⁷	< 10.0	¹⁰⁰⁷ ¹⁰⁰⁷	< 10.0	¹⁰⁰⁷ ¹⁰⁰⁷
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002		< 0.002		< 0.002	< 0.002
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0	¹⁰⁰⁷ ¹⁰⁰⁷	< 10.0	¹⁰⁰⁷ ¹⁰⁰⁷	< 10.0	¹⁰⁰⁷ ¹⁰⁰⁷
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002		< 0.002		< 0.002	< 0.002
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0	¹⁰⁰⁷ ¹⁰⁰⁷	< 10.0	¹⁰⁰⁷ ¹⁰⁰⁷	< 10.0	¹⁰⁰⁷ ¹⁰⁰⁷
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002		< 0.002		< 0.002	< 0.002
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0	¹⁰⁰⁷ ¹⁰⁰⁷	< 10.0	¹⁰⁰⁷ ¹⁰⁰⁷	< 10.0	¹⁰⁰⁷ ¹⁰⁰⁷
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002		< 0.002		< 0.002	< 0.002
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0	¹⁰⁰⁷ ¹⁰⁰⁷	< 10.0	¹⁰⁰⁷ ¹⁰⁰⁷	< 10.0	¹⁰⁰⁷ ¹⁰⁰⁷
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002		< 0.002		< 0.002	< 0.002
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0	¹⁰⁰⁷ ¹⁰⁰⁷	< 10.0	¹⁰⁰⁷ ¹⁰⁰⁷	< 10.0	¹⁰⁰⁷ ¹⁰⁰⁷
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002		< 0.002		< 0.002	< 0.002

			i2 Sample Number	676146	676147
			Pre Printed Barcode	780670	749630
			Sample Reference	EMS2.5	EMS2.6
Determinand	Technique	LOD	Accreditation		
Number of significant peaks	T352	0.0	None	12	N.D. ^{1,3,7}
Total VOC (excluding Targets)	T352	10.0 ng	None	140	< 10.0 ¹⁰⁰
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	0.0326	< 0.00225

				i2 Sample Number	676146	676147
				Pre Printed Barcode	780670	749630
				Sample Reference	EMS2.5	EMS2.6
Determinand	Technique	LOD	Accreditation			
VOC TIC1 Quant	T352	10.0 ng	None	73 - Tridecane ⁴⁸³	19 - Methyl ester benzoic acid ^{483, 1097}	
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	0.0165	0.0043	
VOC TIC10 Quant	T352	10.0 ng	None	56 - Dodecane ⁴⁸³	< 10.0 ^{483, 1097}	
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	0.0126	< 0.003	
VOC TIC2 Quant	T352	10.0 ng	None	41 - Undecane ⁴⁸³	12 - n-hexane ^{483, 1097}	
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	0.0092	0.0027	
VOC TIC3 Quant	T352	10.0 ng	None	30 - 4,6-Dimethyl dodecane ^{475, 483}	< 10.0 ^{483, 1097}	
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	0.0068	< 0.002	
VOC TIC4 Quant	T352	10.0 ng	None	26 - 2,6-Dimethyl undecane ⁴⁸³	< 10.0 ^{483, 1097}	
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	0.0059	< 0.002	
VOC TIC5 Quant	T352	10.0 ng	None	20 - 1,2-Dibromododecane ^{475, 483}	< 10.0 ^{483, 1097}	
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	0.0045	< 0.002	
VOC TIC6 Quant	T352	10.0 ng	None	19 - Decane ⁴⁸³	< 10.0 ^{483, 1097}	
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	0.0043	< 0.002	
VOC TIC7 Quant	T352	10.0 ng	None	17 - 1-Methylindane ⁴⁸³	< 10.0 ^{483, 1097}	
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	0.0038	< 0.002	
VOC TIC8 Quant	T352	10.0 ng	None	15 - 2-methylundecane ^{475, 483}	< 10.0 ^{483, 1097}	
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	0.0034	< 0.002	
VOC TIC9 Quant	T352	10.0 ng	None	15 - 5-propyl-Decane ⁴⁸³	< 10.0 ^{483, 1097}	
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	0.0034	< 0.002	

Technical Reviewer

Role

Senior Customer Service Advisor

Media Preparation and Technical Support

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIR02-1 GCMS-TD	676142, 676143, 676144, 676145, 676146, 676147

Testing Location	Samples
All analysis was carried out at i2 Analytical (	676142, 676143, 676144, 676145, 676146, 676147

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene

Total VOC (excluding Targets)

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.
Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.
This is a simplified test report

This certificate should not be reproduced, except in full, without the express permission of the laboratory.
Results in black are positive/detected results. Results in gray are below the LOD or have not been found.
LOD = Limit of Determination. This is the lowest reportable limit of the test.

The multi-sample report reference takes the form of [job number]-[version number].

483 - Uptake rate used to calculate mg/m3 is based on Toluene

1097 - Quality control parameter failure associated with this result; other checks applied prior to reporting the data have been accepted. The result should be considered as being deviating and may be compromised.

475 - Additional compounds have been identified within 1% of the library best fit.

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
9527-1

REGISTERED
DATE
21/11/2023

RECEIVED
DATE
05/12/2023

ANALYSIS
STARTED
06/12/2023

ANALYSIS
COMPLETE
18/12/2023

LABORATORY

CUSTOMER

CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 24/11/2023

PO NUMBER S3240
SAMPLING TIME (MIN) 10080

Matrix: Tenax TD Tube

Determinand	Technique	LOD	Accreditation	i2 Sample Number			
				Pre Printed Barcode	Sample Reference	EMS2.1	EMS2.2
Number of significant peaks	T352	0.0	None	N.D.	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00225	< 0.00225	< 0.00225	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.005	< 0.005	< 0.005	< 0.005
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.005	< 0.005	< 0.005	< 0.005
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.005	< 0.005	< 0.005	< 0.005
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.005	< 0.005	< 0.005	< 0.005
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.005	< 0.005	< 0.005	< 0.005
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.005	< 0.005	< 0.005	< 0.005
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.005	< 0.005	< 0.005	< 0.005
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.005	< 0.005	< 0.005	< 0.005
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.005	< 0.005	< 0.005	< 0.005
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.005	< 0.005	< 0.005	< 0.005

Determinand	Technique	LOD	Accreditation	i2 Sample Number	
				Pre Printed Barcode	Sample Reference
Number of significant peaks	T352	0.0	None	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00225	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.005	< 0.005
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.005	< 0.005
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.005	< 0.005

i2 Sample Number	680097	680098
Pre Printed Barcode	749748	749745
Sample Reference	EMS2.5	EMS2.6

Determinand	Technique	LOD	Accreditation		
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0 ²⁷³	< 10.0 ²⁷³
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.005	< 0.005
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0 ²⁸¹	< 10.0 ²⁷³
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.005	< 0.005
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0 ²⁸¹	< 10.0 ²⁷³
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.005	< 0.005
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0 ²⁷³	< 10.0 ²⁷³
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.005	< 0.005
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0 ²⁷³	< 10.0 ²⁷³
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.005	< 0.005
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0 ²⁷³	< 10.0 ²⁷³
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.005	< 0.005
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0 ²⁷³	< 10.0 ²⁷³
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.005	< 0.005

Technical Reviewer Role



Senior Customer Service Advisor
Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIR02-1-GCMS-TD	680093, 680094, 680095, 680096, 680097, 680098

Testing Location	Samples
All analysis was carried out at i2 Analytical	680093, 680094, 680095, 680096, 680097, 680098

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene

Total VOC (excluding Targets)

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.
 Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.
 Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.
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 Results in black are positive/detected results. Results in gray are below the LOD or have not been found.
 LOD = Limit of Determination. This is the lowest reportable limit of the test.
 The multi-sample report reference takes the form of [job number]-[version number].
 483 - Uptake rate used to calculate mg/m3 is based on Toluene

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
9620-1

REGISTERED
DATE
28/11/2023

RECEIVED
DATE
13/12/2023

ANALYSIS
STARTED
14/12/2023

ANALYSIS
COMPLETE
21/12/2023

LABORATORY

CUSTOMER

CLIENT CODE
CLIENT SITE

S3240
Ardrossan North Shore

PO NUMBER
SAMPLING TIME (MIN)

S3240
10080

Matrix: Tenax TD Tube

Determinand	Technique	LOD	Accreditation	i2 Sample Number	683492	683493	683494	683495
				Pre Printed Barcode	749718	749715	749710	749705
				Sample Reference	EMS2.1	EMS2.2	EMS2.3	EMS2.4
Number of significant peaks	T352	0.0	None	N.D.	N.D.	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00225	< 0.00225	< 0.00225	< 0.00225	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}

Determinand	Technique	LOD	Accreditation	i2 Sample Number	683496	683497
				Pre Printed Barcode	792057	792051
				Sample Reference	EMS2.5	EMS2.6
Number of significant peaks	T352	0.0	None	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00225	< 0.00225	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None	38 - Fluoroethene ⁴⁷⁵	< 10.0	< 10.0
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	0.0086	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}	< 0.0023 ^{3.1}

i2 Sample Number	683496	683497
Pre Printed Barcode	792057	792051
Sample Reference	EMS2.5	EMS2.6

Determinand	Technique	LOD	Accreditation		
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0	< 10.0
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	± 0.0023 ⁴⁸³	± 0.0023 ⁴⁸³
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0	< 10.0
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	± 0.0023 ⁴⁸³	± 0.0023 ⁴⁸³
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0	< 10.0
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	± 0.0023 ⁴⁸³	± 0.0023 ⁴⁸³
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0	< 10.0
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	± 0.0023 ⁴⁸³	± 0.0023 ⁴⁸³
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0	< 10.0
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	± 0.0023 ⁴⁸³	± 0.0023 ⁴⁸³
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0	< 10.0
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	± 0.0023 ⁴⁸³	± 0.0023 ⁴⁸³

Technical Reviewer Role



Media Preparation and Technical Support

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIR02-1-GCMS-TD	683492, 683493, 683494, 683495, 683496, 683497

Testing Location	Samples
All analysis was carried out at i2 Analytical	683492, 683493, 683494, 683495, 683496, 683497

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene

Total VOC (excluding Targets)

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.

This is a simplified test report

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Results in black are positive/detected results. Results in gray are below the LOD or have not been found.

LOD = Limit of Determination. This is the lowest reportable limit of the test.

The multi-sample report reference takes the form of [job number]-[version number].

483 - Uptake rate used to calculate mg/m3 is based on Toluene

475 - Additional compounds have been identified within 1% of the library best fit.

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
9697-1

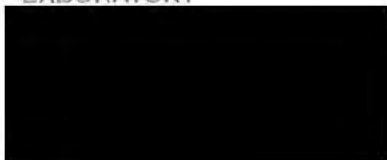
REGISTERED
DATE
07/12/2023

RECEIVED
DATE
20/12/2023

ANALYSIS
STARTED
20/12/2023

ANALYSIS
COMPLETE
10/01/2024

LABORATORY



CUSTOMER



CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 15/12/2023

PO NUMBER S3240
SAMPLING TIME (MIN) 10080

Matrix: Tenax TD Tube

Determinand	Technique	LOD	Accreditation	i2 Sample Number	688966	688967	688968	688969
				Pre Printed Barcode	749739	1056307	780665	792022
				Sample Reference	EMS2.1	EMS2.2	EMS2.3	EMS2.4
Number of significant peaks	T352	0.0	None	N.D.	N.D.	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0 ⁹⁵²	< 10.0 ⁹⁵²	< 10.0 ⁹⁵²	< 10.0 ⁹⁵²	< 10.0 ⁹⁵²
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00225	< 0.00225	< 0.00225	< 0.00225	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³

Determinand	Technique	LOD	Accreditation	i2 Sample Number	688970	688971
				Pre Printed Barcode	749603	736804
				Sample Reference	EMS2.5	EMS2.6
Number of significant peaks	T352	0.0	None	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0 ⁹⁵²	< 10.0 ⁹⁵²	< 10.0 ⁹⁵²
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00225	< 0.00225	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³	< 0.0023 ⁹⁵³

i2 Sample Number	688970	688971
Pre Printed Barcode	749603	736604
Sample Reference	EMS2.5	EMS2.6

Determinand	Technique	LOD	Accreditation		
VOC TIC3 Quant	T352	10.0 ng	None	≤ 10.0	≤ 10.0
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	≤ 0.0023 ⁽¹⁾	≤ 0.0023 ⁽¹⁾
VOC TIC4 Quant	T352	10.0 ng	None	≤ 10.0	≤ 10.0
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	≤ 0.0023 ⁽¹⁾	≤ 0.0023 ⁽¹⁾
VOC TIC5 Quant	T352	10.0 ng	None	≤ 10.0	≤ 10.0
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	≤ 0.0023 ⁽¹⁾	≤ 0.0023 ⁽¹⁾
VOC TIC6 Quant	T352	10.0 ng	None	≤ 10.0	≤ 10.0
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	≤ 0.0023 ⁽¹⁾	≤ 0.0023 ⁽¹⁾
VOC TIC7 Quant	T352	10.0 ng	None	≤ 10.0	≤ 10.0
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	≤ 0.0023 ⁽¹⁾	≤ 0.0023 ⁽¹⁾
VOC TIC8 Quant	T352	10.0 ng	None	≤ 10.0	≤ 10.0
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	≤ 0.0023 ⁽¹⁾	≤ 0.0023 ⁽¹⁾
VOC TIC9 Quant	T352	10.0 ng	None	≤ 10.0	≤ 10.0
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	≤ 0.0023 ⁽¹⁾	≤ 0.0023 ⁽¹⁾

Technical Reviewer	Role
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	Media Preparation and Technical Support
	Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIR02-1-GCMS-TD	688966, 688967, 688968, 688969, 688970, 688971

Testing Location	Samples
All analysis was carried out at i2	688966, 688967, 688968, 688969, 688970, 688971

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene

Total VOC (excluding Targets)

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.

This is a simplified test report

This certificate should not be reproduced, except in full, without the express permission of the laboratory.

Results in black are positive/detected results. Results in gray are below the LOD or have not been found.

LOD = Limit of Determination. This is the lowest reportable limit of the test.

The multi-sample report reference takes the form of [job number]-[version number].

483 - Uptake rate used to calculate mg/m3 is based on Toluene

924 - Quality control surrogate recovery (15) outside of limits (high response), other checks applied prior to reporting the data have been accepted. The result should be considered as being deviating and may be compromised

CERTIFICATE
OF ANALYSIS



MULTI-SAMPLE
REPORT REFERENCE
9804-1

REGISTERED
DATE
18/12/2023

RECEIVED
DATE
15/01/2024

ANALYSIS
STARTED
16/01/2024

ANALYSIS
COMPLETE
25/01/2024

LABORATORY

CUSTOMER

CLIENT CODE
CLIENT SITE

S3240
Ardrossan North Shore

PO NUMBER
SAMPLING TIME (MIN)

S3240
10080

Matrix: Tenax TD Tube

Determinand	Technique	LOD	Accreditation	i2 Sample Number	693388	693393	693392	693391
				Pre Printed Barcode	792096	749637	749642	749627
				Sample Reference	EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4
Number of significant peaks	T352	0.0	None	N.D.	1	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0	11	< 10.0	< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00225	0.0024	< 0.00225	< 0.00225	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None	< 10.0	10 - 2,2,3,3-Tetramethyl- Butane ⁴⁷⁵	< 10.0	< 10.0	< 10.0
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁸¹	0.0024 ⁴⁸¹	< 0.0023 ⁴⁸¹	< 0.0023 ⁴⁸¹	< 0.0023 ⁴⁸¹
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0	35 - Nonanal	< 10.0	< 10.0	< 10.0
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁸¹	0.0078 ⁴⁸¹	< 0.0023 ⁴⁸¹	< 0.0023 ⁴⁸¹	< 0.0023 ⁴⁸¹
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0	29 - Dodecanal	< 10.0	< 10.0	< 10.0
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁸¹	0.0055 ⁴⁸¹	< 0.0023 ⁴⁸¹	< 0.0023 ⁴⁸¹	< 0.0023 ⁴⁸¹
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0	13 - Cyclopentane, 1-methyl-3-(2-methylpropyl)-	< 10.0	< 10.0	< 10.0
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁸¹	0.0030 ⁴⁸¹	< 0.0023 ⁴⁸¹	< 0.0023 ⁴⁸¹	< 0.0023 ⁴⁸¹
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0	13 - 6-Methyl-Tridecane	< 10.0	< 10.0	< 10.0
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁸¹	0.0030 ⁴⁸¹	< 0.0023 ⁴⁸¹	< 0.0023 ⁴⁸¹	< 0.0023 ⁴⁸¹
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0	13 - 2-butyl-1-Octanol	< 10.0	< 10.0	< 10.0
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁸¹	0.0029 ⁴⁸¹	< 0.0023 ⁴⁸¹	< 0.0023 ⁴⁸¹	< 0.0023 ⁴⁸¹
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0	12 - 2,3,4-trimethyl pentane	< 10.0	< 10.0	< 10.0
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁸¹	0.0028 ⁴⁸¹	< 0.0023 ⁴⁸¹	< 0.0023 ⁴⁸¹	< 0.0023 ⁴⁸¹
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0	13 - 1-Octadecyne ⁴⁷⁵	< 10.0	< 10.0	< 10.0
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁸¹	0.0029 ⁴⁸¹	< 0.0023 ⁴⁸¹	< 0.0023 ⁴⁸¹	< 0.0023 ⁴⁸¹
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0	12 - Nonane ⁴⁷⁵	< 10.0	< 10.0	< 10.0
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁸¹	0.0027 ⁴⁸¹	< 0.0023 ⁴⁸¹	< 0.0023 ⁴⁸¹	< 0.0023 ⁴⁸¹
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0	11 - 1-Undecene, 7-methyl- ⁴⁷⁵	< 10.0	< 10.0	< 10.0
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023 ⁴⁸¹	0.0025 ⁴⁸¹	< 0.0023 ⁴⁸¹	< 0.0023 ⁴⁸¹	< 0.0023 ⁴⁸¹

Determinand	Technique	LOD	Accreditation	i2 Sample Number	693390	693389
				Pre Printed Barcode	749760	749733
				Sample Reference	EMS 2.5	EMS 2.6
Number of significant peaks	T352	0.0	None	44	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	710	< 10.0	< 10.0

		i2 Sample Number		693390	693389
		Pre Printed Barcode		749760	749733
		Sample Reference		EMS 2.5	EMS 2.6
Determinand	Technique	LOD	Accreditation		
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	0.160	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None	26 - 2-Methyl pentane	< 10.0
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	0.0058 ⁴⁸¹	< 0.0023 ⁴⁷⁵
VOC TIC10 Quant	T352	10.0 ng	None	160 - 3-Methyl pentane	< 10.0
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	0.0367 ⁴⁸¹	< 0.0023 ⁴⁷⁵
VOC TIC2 Quant	T352	10.0 ng	None	160 - Dodecanal ⁴⁷⁵	< 10.0
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	0.0353 ⁴⁸¹	< 0.0023 ⁴⁷⁵
VOC TIC3 Quant	T352	10.0 ng	None	41 - Methyl cyclopentane	< 10.0
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	0.0092 ⁴⁸¹	< 0.0023 ⁴⁷⁵
VOC TIC4 Quant	T352	10.0 ng	None	110 - 1-Octadecyne ⁴⁷⁵	< 10.0
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	0.0254 ⁴⁸¹	< 0.0023 ⁴⁷⁵
VOC TIC5 Quant	T352	10.0 ng	None	33 - Cyclohexane	< 10.0
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	0.0083	< 0.0023 ⁴⁷⁵
VOC TIC6 Quant	T352	10.0 ng	None	60 - 2-butyl-1-Octanol	< 10.0
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	0.0200 ⁴⁸¹	< 0.0023 ⁴⁷⁵
VOC TIC7 Quant	T352	10.0 ng	None	29 - Cyclopentane, 1-methyl-3-(2-methylpropyl)-	< 10.0
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	0.0288 ⁴⁸¹	< 0.0023 ⁴⁷⁵
VOC TIC8 Quant	T352	10.0 ng	None	29 - 2-methylnonane ⁴⁷⁵	< 10.0
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	0.0064 ⁴⁸¹	< 0.0023 ⁴⁷⁵
VOC TIC9 Quant	T352	10.0 ng	None	27 - 2-butyl-1-Octanol ⁴⁷⁵	< 10.0
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	0.0061 ⁴⁸¹	< 0.0023 ⁴⁷⁵

Technical Reviewer Role

Senior Customer Service Advisor

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIR02 1-GCMS-TD	693388, 693389, 693390, 693391, 693392, 693393

Testing Location	Samples
All analysis was carried out at i2 Analytical	693388, 693389, 693390, 693391, 693392, 693393

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene

Total VOC (excluding Targets)

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.

This is a simplified test report

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Results in black are positive/detected results. Results in gray are below the LOD or have not been found.

LOD = Limit of Determination. This is the lowest reportable limit of the test.

The multi-sample report reference takes the form of [job number]-[version number].

483 - Uptake rate used to calculate mg/m3 is based on Toluene

475 - Additional compounds have been identified within 1% of the library best fit.

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
9896-1

REGISTERED
DATE
09/01/2024

RECEIVED
DATE
23/01/2024

ANALYSIS
STARTED
23/01/2024

ANALYSIS
COMPLETE
02/02/2024

LABORATORY

CUSTOMER

CLIENT CODE
CLIENT SITE

S3240
Ardrossan North Shore

PO NUMBER
SAMPLING TIME (MIN)

S3240
10080

Matrix: Tenax TD Tube

Determinand	Technique	LOD	Accreditation	i2 Sample Number	700334	700335	700336	700339
				Pre Printed Barcode	792059	792050	749677	749659
				Sample Reference	EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4
Number of significant peaks	T352	0.0	None	N.D.	N.D.	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0 ¹⁰¹	< 10.0 ¹⁰¹	< 10.0 ¹⁰¹	< 10.0 ¹⁰¹	< 10.0 ¹⁰¹
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00225 ¹⁰¹	< 0.00225 ¹⁰¹	< 0.00225 ¹⁰¹	< 0.00225 ¹⁰¹	< 0.00225 ¹⁰¹
VOC TIC1 Quant	T352	10.0 ng	None	< 10.0 ¹⁰¹	32 - 2,2,4-trimethyl-Pentane ^{483, 924}	< 10.0 ¹⁰¹	< 10.0 ¹⁰¹	< 10.0 ¹⁰¹
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	0.0072	< 0.0023	< 0.0023	< 0.0023
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0 ¹⁰¹	< 10.0 ¹⁰¹	< 10.0 ¹⁰¹	< 10.0 ¹⁰¹	< 10.0 ¹⁰¹
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0 ¹⁰¹	11 - Nonanal ^{483, 924}	< 10.0 ¹⁰¹	< 10.0 ¹⁰¹	< 10.0 ¹⁰¹
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	0.0025	< 0.0023	< 0.0023	< 0.0023
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0 ¹⁰¹	10 - 1,4-Bis(trimethylsilyl)benzene ^{483, 924}	< 10.0 ¹⁰¹	< 10.0 ¹⁰¹	< 10.0 ¹⁰¹
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0 ¹⁰¹	14 - 2,3,4-trimethyl pentane ^{483, 924}	< 10.0 ¹⁰¹	< 10.0 ¹⁰¹	< 10.0 ¹⁰¹
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	0.0032	< 0.0023	< 0.0023	< 0.0023
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0 ¹⁰¹	13 - 4-Methyl Heptane ^{483, 924}	< 10.0 ¹⁰¹	< 10.0 ¹⁰¹	< 10.0 ¹⁰¹
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	0.0029	< 0.0023	< 0.0023	< 0.0023
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0 ¹⁰¹	< 10.0 ¹⁰¹	< 10.0 ¹⁰¹	< 10.0 ¹⁰¹	< 10.0 ¹⁰¹
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0 ¹⁰¹	< 10.0 ¹⁰¹	< 10.0 ¹⁰¹	< 10.0 ¹⁰¹	< 10.0 ¹⁰¹
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0 ¹⁰¹	< 10.0 ¹⁰¹	< 10.0 ¹⁰¹	< 10.0 ¹⁰¹	< 10.0 ¹⁰¹
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0 ¹⁰¹	< 10.0 ¹⁰¹	< 10.0 ¹⁰¹	< 10.0 ¹⁰¹	< 10.0 ¹⁰¹
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023

Determinand	Technique	LOD	i2 Sample Number			700338	700337
			Pre Printed Barcode			749707	749703
			Sample Reference			EMS 2.5	EMS 2.6
			Accreditation				
Number of significant peaks	T352	0.0	None	N.D.	N.D.		
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0	< 10.0		
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00225	< 0.00225		
VOC TIC1 Quant	T352	10.0 ng	None	13 - n-hexane	16 - n-hexane		
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	0.0027	0.0036		
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0	< 10.0		
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023		
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0	< 10.0		

i2 Sample Number	700338	700337
Pre Printed Barcode	749707	749703
Sample Reference	EMS 2.5	EMS 2.6

Determinand	Technique	LOD	Accreditation		
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0 ^{nm}	< 10.0 ^{nm}
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0 ^{nm}	< 10.0 ^{nm}
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0 ^{nm}	< 10.0 ^{nm}
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0 ^{nm}	< 10.0 ^{nm}
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0 ^{nm}	< 10.0 ^{nm}
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0 ^{nm}	< 10.0 ^{nm}
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0 ^{nm}	< 10.0 ^{nm}
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023

Technical Reviewer Role

Senior Customer Service Advisor

Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIR02-1-GCMS-TD	700334, 700335, 700336, 700337, 700338, 700339

Testing Location	Samples
All analysis was carried out at i2	700334, 700335, 700336, 700337, 700338, 700339

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene

Total VOC (excluding Targets)

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.

This is a simplified test report

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Results in black are positive/detected results. Results in gray are below the LOD or have not been found.

LOD = Limit of Determination. This is the lowest reportable limit of the test.

The multi-sample report reference takes the form of [job number]-[version number].

483 - Uptake rate used to calculate mg/m3 is based on Toluene

024 - Quality control surrogate recovery (IS) outside of limits (high response), other checks applied prior to reporting the data have been accepted. The result should be considered as being deviating and may be compromised

475 - Additional compounds have been identified within 1% of the library best fit.

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
10002-1

REGISTERED
DATE
10/11/2023

RECEIVED
DATE
30/01/2024

ANALYSIS
STARTED
01/02/2024

ANALYSIS
COMPLETE
12/02/2024

LABORATORY

CUSTOMER

CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 19/01/2024

PO NUMBER S3240
SAMPLING TIME (MIN) 10080

Matrix: Tenax TD Tube

Determinand	Technique	LOD	Accreditation	i2 Sample Number	674640	674641	674642	674643
				Pre Printed Barcode	477314	749772	749775	mi144016
				Sample Reference	EMS2.1	EMS2.2	EMS2.3	EMS2.4
Number of significant peaks	T352	0.0	None	N.D.	N.D.	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00225	< 0.00225	< 0.00225	< 0.00225	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023

Determinand	Technique	LOD	Accreditation	i2 Sample Number	674644	674645
				Pre Printed Barcode	749778	749757
				Sample Reference	EMS2.5	EMS2.6
Number of significant peaks	T352	0.0	None	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00225	< 0.00225	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023

i2 Sample Number 674644 674645
Pre Printed Barcode 749778 749757
Sample Reference EMS2.5 EMS2.6

Determinand	Technique	LOD	Accreditation		
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023

Technical Reviewer Role



Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIR02-1-GCMS-TD	674640, 674641, 674642, 674643, 674644, 674645

Testing Location	Samples
All analysis was carried out at i2 / [REDACTED]	674640, 674641, 674642, 674643, 674644, 674645

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene

Total VOC (excluding Targets)

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.

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Results in black are positive/detected results. Results in gray are below the LOD or have not been found.

LOD = Limit of Determination. This is the lowest reportable limit of the test.

The multi-sample report reference takes the form of [job number]-[version number].

483 - Uptake rate used to calculate mg/m3 is based on Toluene

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
10064-1

REGISTERED
DATE
23/01/2024

RECEIVED
DATE
05/02/2024

ANALYSIS
STARTED
05/02/2024

ANALYSIS
COMPLETE
16/02/2024

LABORATORY

CUSTOMER

CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 26/01/2024

PO NUMBER S3240
SAMPLING TIME (MIN) 10080

Matrix: Tenax TD Tube

Determinand	Technique	LOD	Accreditation	i2 Sample Number Pre Printed Barcode Sample Reference	708004 792064 EMS 2.1	708005 749729 EMS 2.2	708006 736847 EMS 2.3	708007 780672 EMS 2.4
Number of significant peaks	T352	0.0	None		N.D.	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None		< 10.0	< 10.0	< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None		< 0.00225	< 0.00225	< 0.00225	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None	13 - Diethylene glycol dibenzoate ⁴⁸³	< 10.0 ⁴⁸³	10 - n-hexane ⁴⁷⁵	< 10.0 ⁴⁷⁵	< 10.0 ⁴⁷⁵
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None		0.0029	< 0.0023	0.0023	< 0.0023
VOC TIC10 Quant	T352	10.0 ng	None		< 10.0 ⁴⁷³	< 10.0 ⁴⁷³	< 10.0 ⁴⁷³	< 10.0 ⁴⁷³
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC2 Quant	T352	10.0 ng	None		< 10.0 ⁴⁷³	< 10.0 ⁴⁷³	< 10.0 ⁴⁷³	< 10.0 ⁴⁷³
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC3 Quant	T352	10.0 ng	None		< 10.0 ⁴⁸³	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC4 Quant	T352	10.0 ng	None		< 10.0 ⁴⁸³	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC5 Quant	T352	10.0 ng	None		< 10.0 ⁴⁷³	< 10.0 ⁴⁷³	< 10.0 ⁴⁷³	< 10.0 ⁴⁷³
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC6 Quant	T352	10.0 ng	None		< 10.0 ⁴⁷³	< 10.0 ⁴⁷³	< 10.0 ⁴⁷³	< 10.0 ⁴⁷³
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC7 Quant	T352	10.0 ng	None		< 10.0 ⁴⁷³	< 10.0 ⁴⁷³	< 10.0 ⁴⁷³	< 10.0 ⁴⁷³
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC8 Quant	T352	10.0 ng	None		< 10.0 ⁴⁷³	< 10.0 ⁴⁷³	< 10.0 ⁴⁷³	< 10.0 ⁴⁷³
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC9 Quant	T352	10.0 ng	None		< 10.0 ⁴⁷³	< 10.0 ⁴⁷³	< 10.0 ⁴⁷³	< 10.0 ⁴⁷³
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0023	< 0.0023	< 0.0023	< 0.0023

Determinand	Technique	LOD	Accreditation	i2 Sample Number Pre Printed Barcode Sample Reference	708008 749616 EMS 2.5	708009 792078 EMS 2.6
Number of significant peaks	T352	0.0	None		N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None		< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None		< 0.00225	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None		< 10.0 ⁴⁷³	< 10.0 ⁴⁷³
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0023	< 0.0023
VOC TIC10 Quant	T352	10.0 ng	None		< 10.0 ⁴⁷³	< 10.0 ⁴⁷³
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0023	< 0.0023

i2 Sample Number 708008 708009
 Pre Printed Barcode 749616 792078
 Sample Reference EMS 2.5 EMS 2.6

Determinand	Technique	LOD	Accreditation		
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023

Technical Reviewer Role



Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIR02-1-GCMS-TD	708004, 708005, 708006, 708007, 708008, 708009

Testing Location	Samples
All analysis was carried out at i2	708004, 708005, 708006, 708007, 708008, 708009

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene

Total VOC (excluding Targets)

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.

This is a simplified test report

This certificate should not be reproduced, except in full, without the express permission of the laboratory.

Results in black are positive/detected results. Results in gray are below the LOD or have not been found.

LOD = Limit of Determination. This is the lowest reportable limit of the test.

The multi-sample report reference takes the form of [job number]-[version number].

483 - Uptake rate used to calculate mg/m3 is based on Toluene

475 - Additional compounds have been identified within 1% of the library best fit

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
10141-1

REGISTERED
DATE
16/01/2024

RECEIVED
DATE
12/02/2024

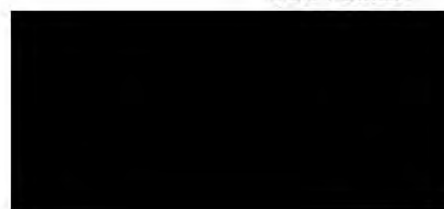
ANALYSIS
STARTED
13/02/2024

ANALYSIS
COMPLETE
20/02/2024

LABORATORY



CUSTOMER



CLIENT CODE
CLIENT SITE

S3240
Ardrossan North Shore

PO NUMBER
SAMPLING TIME (MIN)

S3240
10080

Matrix: Tenax TD Tube

Determinand	Technique	LOD	Accreditation	i2 Sample Number	704706	704705	704704	704707
				Pre Printed Barcode	736804	437848	736807	792040
				Sample Reference	EMS2.1	EMS2.2	EMS2.3	EMS2.4
Number of significant peaks	T352	0.0	None	N.D.	N.D.	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00225	< 0.00225	< 0.00225	< 0.00225	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None	< 10.0 ⁴⁹³	17 - 1-methyl-3-(1-methylethenyl)-benzene ⁴⁹³	14 - Nonanal ⁴⁹³	< 10.0 ⁴⁹³	< 10.0 ⁴⁹³
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	0.0038	0.0032	< 0.0023	< 0.0023
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0 ⁴⁹³	< 10.0 ⁴⁹³	< 10.0 ⁴⁹³	< 10.0 ⁴⁹³	< 10.0 ⁴⁹³
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0 ⁴⁹³	24 - Acetone ⁴⁹³	11 - Decanal ⁴⁹³	< 10.0 ⁴⁹³	< 10.0 ⁴⁹³
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	0.0054	0.0025	< 0.0023	< 0.0023
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0 ⁴⁹³	12 - 3-Methyl-2-butanone ⁴⁹³	10 - Hexanal ⁴⁹³	< 10.0 ⁴⁹³	< 10.0 ⁴⁹³
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	0.0027	0.0023	< 0.0023	< 0.0023
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0 ⁴⁹³	12 - Carbon Disulphide ⁴⁹³	< 10.0 ⁴⁹³	< 10.0 ⁴⁹³	< 10.0 ⁴⁹³
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0 ⁴⁹³	12 - (R)-Oxiranemethanol ⁴⁷⁵⁻⁴⁹³	< 10.0 ⁴⁹³	< 10.0 ⁴⁹³	< 10.0 ⁴⁹³
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	0.0027	< 0.0023	< 0.0023	< 0.0023
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0 ⁴⁹³	< 10.0 ⁴⁹³	< 10.0 ⁴⁹³	< 10.0 ⁴⁹³	< 10.0 ⁴⁹³
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0 ⁴⁹³	< 10.0 ⁴⁹³	< 10.0 ⁴⁹³	< 10.0 ⁴⁹³	< 10.0 ⁴⁹³
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0 ⁴⁹³	< 10.0 ⁴⁹³	< 10.0 ⁴⁹³	< 10.0 ⁴⁹³	< 10.0 ⁴⁹³
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0 ⁴⁹³	< 10.0 ⁴⁹³	< 10.0 ⁴⁹³	< 10.0 ⁴⁹³	< 10.0 ⁴⁹³
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023

Determinand	Technique	LOD	Accreditation	i2 Sample Number	704702	704703
				Pre Printed Barcode	749660	749690
				Sample Reference	EMS2.5	EMS2.6
Number of significant peaks	T352	0.0	None	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00225	< 0.00225	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None	13 - 2,2,4-trimethyl-Pentane ⁴⁷⁵⁻⁴⁹³	< 10.0 ⁴⁹³	< 10.0 ⁴⁹³
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	0.0029	< 0.0023	< 0.0023
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0 ⁴⁹³	< 10.0 ⁴⁹³	< 10.0 ⁴⁹³
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0 ⁴⁹³	< 10.0 ⁴⁹³	< 10.0 ⁴⁹³

Determinand	Technique	LOD	Accreditation	i2 Sample Number	704702	704703
				Pre Printed Barcode	749660	749690
				Sample Reference	EMS2.5	EMS2.5
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0023	< 0.0023
VOC TIC3 Quant	T352	10.0 ng	None		< 10.0	< 10.0
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0023	< 0.0023
VOC TIC4 Quant	T352	10.0 ng	None		< 10.0	< 10.0
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0023	< 0.0023
VOC TIC5 Quant	T352	10.0 ng	None		< 10.0	< 10.0
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0023	< 0.0023
VOC TIC6 Quant	T352	10.0 ng	None		< 10.0	< 10.0
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0023	< 0.0023
VOC TIC7 Quant	T352	10.0 ng	None		< 10.0	< 10.0
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0023	< 0.0023
VOC TIC8 Quant	T352	10.0 ng	None		< 10.0	< 10.0
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0023	< 0.0023
VOC TIC9 Quant	T352	10.0 ng	None		< 10.0	< 10.0
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0023	< 0.0023

Technical Reviewer Role



Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIR02-1-GCMS-TD	704702, 704703, 704704, 704705, 704706, 704707

Testing Location	Samples
All analysis was carried out at i2	704702, 704703, 704704, 704705, 704706, 704707

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene
Total VOC (excluding Targets)

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.

This is a simplified test report.

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Results in black are positive/detected results. Results in gray are below the LOD or have not been found.

LOD = Limit of Determination. This is the lowest reportable limit of the test.

The multi-sample report reference takes the form of [job number]-[version number].

475 - Additional compounds have been identified within 1% of the library best fit.

483 - Uptake rate used to calculate mg/m3 is based on Toluene

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
10291-1

REGISTERED
DATE
06/02/2024

RECEIVED
DATE
27/02/2024

ANALYSIS
STARTED
27/02/2024

ANALYSIS
COMPLETE
04/03/2024

LABORATORY

CUSTOMER

CLIENT CODE
CLIENT SITE
DATE SAMPLED (DD/MM/YY)

S3240
Ardrossan North Shore
15/02/2024

PO NUMBER
SAMPLING TIME (MIN)

S3240
10080

Matrix: Tenax TD Tube

Determinand	Technique	LOD	Accreditation	i2 Sample Number Pre Printed Barcode Sample Reference	715193 780678 EMS 2.1	715194 780674 EMS 2.2	715195 792087 EMS 2.3	715196 749654 EMS 2.4
Number of significant peaks	T352	0.0	None		N.D.	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None		< 10.0	< 10.0	< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None		< 0.00225	< 0.00225	< 0.00225	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None	11 - Methylene chloride ⁴⁸³	16 - Toluene	< 10.0 ⁵¹³	< 10.0 ⁵¹³	< 10.0 ⁵¹³
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None		0.0025	0.0036	< 0.0023	< 0.0023
VOC TIC10 Quant	T352	10.0 ng	None		< 10.0 ⁵¹³	< 10.0 ⁵¹³	< 10.0 ⁵¹³	< 10.0 ⁵¹³
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0043	< 0.0023	< 0.0023	< 0.0023
VOC TIC2 Quant	T352	10.0 ng	None	19 - n-hexane ^{475, 481}		< 10.0 ⁵¹³	< 10.0 ⁵¹³	< 10.0 ⁵¹³
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None		0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC3 Quant	T352	10.0 ng	None		< 10.0 ⁵¹³	< 10.0 ⁵¹³	< 10.0 ⁵¹³	< 10.0 ⁵¹³
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0043	< 0.0023	< 0.0023	< 0.0023
VOC TIC4 Quant	T352	10.0 ng	None		< 10.0 ⁵¹³	< 10.0 ⁵¹³	< 10.0 ⁵¹³	< 10.0 ⁵¹³
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0043	< 0.0023	< 0.0023	< 0.0023
VOC TIC5 Quant	T352	10.0 ng	None		< 10.0 ⁵¹³	< 10.0 ⁵¹³	< 10.0 ⁵¹³	< 10.0 ⁵¹³
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0043	< 0.0023	< 0.0023	< 0.0023
VOC TIC6 Quant	T352	10.0 ng	None		< 10.0 ⁵¹³	< 10.0 ⁵¹³	< 10.0 ⁵¹³	< 10.0 ⁵¹³
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0043	< 0.0023	< 0.0023	< 0.0023
VOC TIC7 Quant	T352	10.0 ng	None		< 10.0 ⁵¹³	< 10.0 ⁵¹³	< 10.0 ⁵¹³	< 10.0 ⁵¹³
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0043	< 0.0023	< 0.0023	< 0.0023
VOC TIC8 Quant	T352	10.0 ng	None		< 10.0 ⁵¹³	< 10.0 ⁵¹³	< 10.0 ⁵¹³	< 10.0 ⁵¹³
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0043	< 0.0023	< 0.0023	< 0.0023
VOC TIC9 Quant	T352	10.0 ng	None		< 10.0 ⁵¹³	< 10.0 ⁵¹³	< 10.0 ⁵¹³	< 10.0 ⁵¹³
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0043	< 0.0023	< 0.0023	< 0.0023

Determinand	Technique	LOD	Accreditation	i2 Sample Number Pre Printed Barcode Sample Reference	715197 749640 EMS 2.5	715198 749622 EMS 2.6
Number of significant peaks	T352	0.0	None		N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None		< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None		< 0.00225	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None	14 - n-hexane ^{475, 483}	16 - n-hexane ^{475, 483}	0.0036
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None		0.0032	< 10.0 ⁵¹³
VOC TIC10 Quant	T352	10.0 ng	None		< 10.0 ⁵¹³	< 10.0 ⁵¹³
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0023	< 0.0023
VOC TIC2 Quant	T352	10.0 ng	None		< 10.0 ⁵¹³	< 10.0 ⁵¹³
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0023	< 0.0023

i2 Sample Number **715197** **715198**
 Pre Printed Barcode **749640** **749622**
 Sample Reference **EMS 2.5** **EMS 2.6**

Determinand	Technique	LOD	Accreditation		
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023

Technical Reviewer Role



Senior Customer Service Advisor
 Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIR02-1-GCMS-TD	715193, 715194, 715195, 715196, 715197, 715198

Testing Location	Samples
All analysis was carried out at i2 Analytical	715193, 715194, 715195, 715196, 715197, 715198

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene

Total VOC (excluding Targets)

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.

This is a simplified test report

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Results in black are positive/detected results. Results in gray are below the LOD or have not been found.

LOD = Limit of Determination. This is the lowest reportable limit of the test.

The multi-sample report reference takes the form of [job number].[version number].

475 - Additional compounds have been identified within 1% of the library best fit.

483 - Uptake rate used to calculate mg/m3 is based on Toluene

CERTIFICATE OF ANALYSIS



MULTI-SAMPLE
REPORT REFERENCE
10356-1

REGISTERED
DATE
04/03/2024

RECEIVED
DATE
04/03/2024

ANALYSIS
STARTED
04/03/2024

ANALYSIS
COMPLETE
11/03/2024

LABORATORY



CUSTOMER



CLIENT CODE
CLIENT SITE

S3240
Ardrossan North Shore

PO NUMBER
SAMPLING TIME (MIN)

S3240
10080

Matrix: Tenax TD Tube

Determinand	Technique	LOD	Accreditation	i2 Sample Number	730122	730123	730124	730125
				Pre Printed Barcode	749722	749625	792083	780671
				Sample Reference	EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4
					N.D.	N.D.	N.D.	N.D.
Number of significant peaks	T352	0.0	None		< 10.0	< 10.0	< 10.0	< 10.0
Total VOC (excluding Targets)	T352	10.0 ng	None		< 0.00225	< 0.00225	< 0.00225	< 0.00225
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None		< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC1 Quant	T352	10.0 ng	None		< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None		< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC10 Quant	T352	10.0 ng	None		< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None		< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC2 Quant	T352	10.0 ng	None		< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None		< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC3 Quant	T352	10.0 ng	None		< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None		< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC4 Quant	T352	10.0 ng	None		< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None		< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC5 Quant	T352	10.0 ng	None		< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None		< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC6 Quant	T352	10.0 ng	None		< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None		< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC7 Quant	T352	10.0 ng	None		< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None		< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC8 Quant	T352	10.0 ng	None		< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None		< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC9 Quant	T352	10.0 ng	None		< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None		< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰

Determinand	Technique	LOD	Accreditation	i2 Sample Number	730126	730127
				Pre Printed Barcode	792044	749663
				Sample Reference	EMS 2.5	EMS 2.6
					N.D.	N.D.
Number of significant peaks	T352	0.0	None		< 10.0	< 10.0
Total VOC (excluding Targets)	T352	10.0 ng	None		< 0.00225	< 0.00225
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None		< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC1 Quant	T352	10.0 ng	None		< 0.0023	< 0.0023
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None		< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC10 Quant	T352	10.0 ng	None		< 0.0023	< 0.0023
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None		< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC2 Quant	T352	10.0 ng	None		< 0.0023	< 0.0023
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None		< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC3 Quant	T352	10.0 ng	None		< 0.0023	< 0.0023
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None		< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰

i2 Sample Number 730126 730127
 Pre Printed Barcode 792044 749663
 Sample Reference EMS 2.5 EMS 2.6

Determinand	Technique	LOD	Accreditation		
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0 ²⁵³	< 10.0 ²⁵³
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0 ²⁵⁴	< 10.0 ²⁵⁴
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0 ²⁵⁵	< 10.0 ²⁵⁵
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0 ²⁵⁶	< 10.0 ²⁵⁶
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0 ²⁵⁷	< 10.0 ²⁵⁷
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0 ²⁵⁸	< 10.0 ²⁵⁸
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023

Technical Reviewer Role

Senior Customer Service Advisor
 Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIR02-1-GCMS-TD	730122, 730123, 730124, 730125, 730126, 730127

Testing Location	Samples
All analysis was carried out at i2 Analytical	730122, 730123, 730124, 730125, 730126, 730127

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene

Total VOC (excluding Targets)

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.
 Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.
 Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.
 This is a simplified test report
 This certificate should not be reproduced, except in full, without the express permission of the laboratory.
 Results in black are positive/detected results. Results in gray are below the LOD or have not been found.
 LOD = Limit of Determination. This is the lowest reportable limit of the test.
 The multi-sample report reference takes the form of [job number]-[version number].
 483 - Uptake rate used to calculate mg/m3 is based on Toluene

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
10401-1

REGISTERED
DATE
26/02/2024

RECEIVED
DATE
08/03/2024

ANALYSIS
STARTED
08/03/2024

ANALYSIS
COMPLETE
14/03/2024

LABORATORY

CUSTOMER

CLIENT CODE

S3240

PO NUMBER

S3240

CLIENT SITE

Ardrossan North Shore

SAMPLING TIME (MIN)

10080

Matrix: Tenax TD Tube

Determinand	Technique	LOD	Accreditation	i2 Sample Number	726722	726724	726723	726725
				Pre Printed Barcode	749689	749685	749701	749741
				Sample Reference	EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4
Number of significant peaks	T352	0.0	None	N.D.	N.D.	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00225	< 0.00225	< 0.00225	< 0.00225	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None	< 10.0 ⁽¹⁾	< 10.0 ⁽¹⁾	< 10.0 ⁽¹⁾	< 10.0 ⁽¹⁾	< 10.0 ⁽¹⁾
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0 ⁽²⁾	< 10.0 ⁽²⁾	< 10.0 ⁽²⁾	< 10.0 ⁽²⁾	< 10.0 ⁽²⁾
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0 ⁽³⁾	< 10.0 ⁽³⁾	< 10.0 ⁽³⁾	< 10.0 ⁽³⁾	< 10.0 ⁽³⁾
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0 ⁽³⁾	< 10.0 ⁽³⁾	< 10.0 ⁽³⁾	< 10.0 ⁽³⁾	< 10.0 ⁽³⁾
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0 ⁽³⁾	< 10.0 ⁽³⁾	< 10.0 ⁽³⁾	< 10.0 ⁽³⁾	< 10.0 ⁽³⁾
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0 ⁽³⁾	< 10.0 ⁽³⁾	< 10.0 ⁽³⁾	< 10.0 ⁽³⁾	< 10.0 ⁽³⁾
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0 ⁽³⁾	< 10.0 ⁽³⁾	< 10.0 ⁽³⁾	< 10.0 ⁽³⁾	< 10.0 ⁽³⁾
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0 ⁽³⁾	< 10.0 ⁽³⁾	< 10.0 ⁽³⁾	< 10.0 ⁽³⁾	< 10.0 ⁽³⁾
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0 ⁽³⁾	< 10.0 ⁽³⁾	< 10.0 ⁽³⁾	< 10.0 ⁽³⁾	< 10.0 ⁽³⁾
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0 ⁽³⁾	< 10.0 ⁽³⁾	< 10.0 ⁽³⁾	< 10.0 ⁽³⁾	< 10.0 ⁽³⁾
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023

Determinand	Technique	LOD	Accreditation	i2 Sample Number	726726	726727
				Pre Printed Barcode	749695	749745
				Sample Reference	EMS 2.5	EMS 2.6
Number of significant peaks	T352	0.0	None	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00225	< 0.00225	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None	< 10.0 ⁽¹⁾	< 10.0 ⁽¹⁾	< 10.0 ⁽¹⁾
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0 ⁽²⁾	< 10.0 ⁽²⁾	< 10.0 ⁽²⁾
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0 ⁽³⁾	< 10.0 ⁽³⁾	< 10.0 ⁽³⁾
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0 ⁽³⁾	< 10.0 ⁽³⁾	< 10.0 ⁽³⁾
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023

i2 Sample Number	726726	726727
Pre Printed Barcode	749695	749745
Sample Reference	EMS 2.5	EMS 2.6

Determinand	Technique	LOD	Accreditation		
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0 ^{msd}	< 10.0 ^{msd}
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0 ^{msd}	< 10.0 ^{msd}
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0 ^{msd}	< 10.0 ^{msd}
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0 ^{msd}	< 10.0 ^{msd}
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0 ^{msd}	< 10.0 ^{msd}
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0 ^{msd}	< 10.0 ^{msd}
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023

Technical Reviewer Role

[REDACTED] Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIR02-1-GCMS-TD	726722, 726723, 726724, 726725, 726726, 726727

Testing Location	Samples
All analysis was carried out at i2 Analytical ([REDACTED])	726722, 726723, 726724, 726725, 726726, 726727

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene

Total VOC (excluding Targets)

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.

This is a simplified test report

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Results in black are positive/detected results. Results in gray are below the LOD or have not been found.

LOD = Limit of Determination. This is the lowest reportable limit of the test.

The multi-sample report reference takes the form of [job number]-[version number].

483 - Uptake rate used to calculate mg/m3 is based on Toluene

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
10517-1

REGISTERED
DATE
20/03/2024

RECEIVED
DATE
20/03/2024

ANALYSIS
STARTED
20/03/2024

ANALYSIS
COMPLETE
02/04/2024

LABORATORY



CUSTOMER



CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 07/03/2024

PO NUMBER S3240
SAMPLING TIME (MIN) 10080

Matrix: Tenax TD Tube

Determinand	Technique	LOD	Accreditation	i2 Sample Number Pre Printed Barcode Sample Reference	739254 749633 EMS2.1	739255 749736 EMS2.2	739256 736817 EMS2.3	739257 749718 EMS2.4
Number of significant peaks	T352	0.0	None		N.D.	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None		< 10.0	< 10.0	< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None		< 0.00225	< 0.00225	< 0.00225	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None	30 - Benzoic Acid ^{475, 483}		14 - Decanal ⁴⁸³	90 - Decanal ⁴⁸³	13 - 1-Butanol, 3-methyl-, benzoate ⁴⁵³
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None		0.0068	0.0032	0.0203	0.0029
VOC TIC10 Quant	T352	10.0 ng	None	13 - Benzeneacetic acid, alpha-oxo-, methyl ester ^{475, 483}		< 10.0 ⁴⁸³	48 - Nonanal ⁴⁸³	< 10.0 ⁴⁸³
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None		0.0029	< 0.0023	0.0108	< 0.0023
VOC TIC2 Quant	T352	10.0 ng	None	10 - Toluene		< 10.0 ⁴⁸³	17 - Octanal ⁴⁸³	< 10.0 ⁴⁸³
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None		0.0023	< 0.0023	0.0038	< 0.0023
VOC TIC3 Quant	T352	10.0 ng	None		< 10.0 ⁴⁸³	< 10.0 ⁴⁸³	12 - 1,2-15,16-Diepoxyhexadecane ⁴⁸³	< 10.0 ⁴⁸³
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None		N.D.	< 0.0023	0.0027	< 0.0023
VOC TIC4 Quant	T352	10.0 ng	None		< 10.0 ⁴⁸³	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC5 Quant	T352	10.0 ng	None		< 10.0 ⁴⁸³	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC6 Quant	T352	10.0 ng	None		< 10.0 ⁴⁸³	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC7 Quant	T352	10.0 ng	None		< 10.0 ⁴⁸³	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC8 Quant	T352	10.0 ng	None		< 10.0 ⁴⁸³	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC9 Quant	T352	10.0 ng	None		< 10.0 ⁴⁸³	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0023	< 0.0023	< 0.0023	< 0.0023

Determinand	Technique	LOD	Accreditation	i2 Sample Number Pre Printed Barcode Sample Reference	739258 749715 EMS2.5	739259 749705 EMS2.6
Number of significant peaks	T352	0.0	None		N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None		< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None		< 0.00225	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None		12 - Methylcyclohexane ⁴⁸³	< 10.0 ⁴⁸³
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None		0.0027	< 0.0023
VOC TIC10 Quant	T352	10.0 ng	None		16 - Cyclohexane	< 10.0 ⁴⁸³
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None		0.0041	< 0.0023

i2 Sample Number	739258	739259
Pre Printed Barcode	749715	749705
Sample Reference	EMS2.5	EMS2.6

Determinand	Technique	LOD	Accreditation		
VOC TIC2 Quant	T352	10.0 ng	None	14 - Methoxyacetic acid, pentyl ester ⁴⁸³	< 10.0 ⁴⁸³
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	0.0032	< 0.0023
VOC TIC3 Quant	T352	10.0 ng	None	13 - Pentane ⁴⁸³	< 10.0 ⁴⁸³
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	0.0029	< 0.0023
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0 ⁴⁸³	< 10.0 ⁴⁸³
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023

Technical Reviewer Role



Customer Service Manager
Customer Service Advisor

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIR02-1-GCMS-TD	739254, 739255, 739256, 739257, 739258, 739259

Testing Location	Samples
All analysis was carried out at i2 Analytical	739254, 739255, 739256, 739257, 739258, 739259

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene

Total VOC (excluding Targets)

The results reported relate to samples received in the laboratory and may not be representative of a whole batch. Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.

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Results in black are positive/detected results. Results in gray are below the LOD or have not been found.

LOD = Limit of Determination. This is the lowest reportable limit of the test.

The multi-sample report reference takes the form of [job number]-[version number].

475 - Additional compounds have been identified within 1% of the library best fit.

483 - Uptake rate used to calculate mg/m3 is based on Toluene

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
10656-1

REGISTERED
DATE
09/04/2024

RECEIVED
DATE
09/04/2024

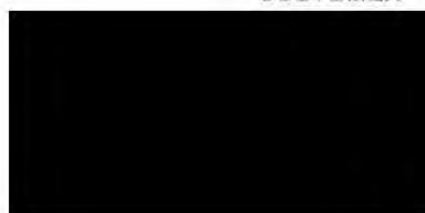
ANALYSIS
STARTED
10/04/2024

ANALYSIS
COMPLETE
19/04/2024

LABORATORY



CUSTOMER



CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 21/03/2024

PO NUMBER S3240
SAMPLING TIME (MIN) 10080

Matrix: Tenax TD Tube

Determinand	Technique	LOD	Accreditation	i2 Sample Number	749129	749130	749131	749132
				Pre Printed Barcode	792040	736848	749764	736820
				Sample Reference	EMS2.1	EMS2.2	EMS2.3	EMS2.4
Number of significant peaks	T352	0.0	None	N.D.	N.D.	N.D.	N.D.	103
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	14000
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00225	< 0.00225	< 0.00225	< 0.00225	3.21
VOC TIC1 Quant	T352	10.0 ng	None	< 10.0	140 - Acetic acid ⁴⁷⁵⁻⁴⁸³	< 10.0	< 10.0	4600 - Toluene
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	0.0316	< 0.0023	< 0.0023	1.04
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0	30 - Formic Acid ⁴⁸¹	< 10.0	< 10.0	1800 - m/p-Xylene
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	0.0068	< 0.0023	< 0.0023	0.496
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	2800 - o-Xylene
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	0.817
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	1000 - Limonene ⁴⁷⁵⁻⁴⁸³
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	0.226
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	910 - Ethyl Benzene ⁴⁷⁵
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	0.258
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	910 - 2-Methyl pentane ⁴⁸³
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	0.205
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	2400 - 2-Methyl butane ⁴⁸³
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	0.541
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	2400 - Methyl Cyclopentane ⁴⁸³
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	0.541
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	2000 - Benzene
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	0.735
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	620 - Cyclohexane ⁴⁸³
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	0.140

Determinand	Technique	LOD	Accreditation	i2 Sample Number	749133	749134
				Pre Printed Barcode	736816	792021
				Sample Reference	EMS2.5	EMS2.6
Number of significant peaks	T352	0.0	None		119	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None		27000	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None		6.07	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None		5500 - Toluene	< 10.0
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None		1.24	< 0.0023
VOC TIC10 Quant	T352	10.0 ng	None		1000 - 1-ethyl-2-methylbenzene ⁴⁷⁵⁻⁴⁸³	< 10.0
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None		0.226	< 0.0023

				i2 Sample Number	749133	749134
				Pre Printed Barcode	736816	792021
				Sample Reference	EMS2.5	EMS2.6
Determinand	Technique	LOD	Accreditation			
VOC TIC2 Quant	T352	10.0 ng	None	4700 - m/p-Xylene		≤ 10.0
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	1.30		< 0.0023
VOC TIC3 Quant	T352	10.0 ng	None	2100 - o-Xylene		≤ 10.0
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	0.613		< 0.0023
VOC TIC4 Quant	T352	10.0 ng	None	2000 - Cyclohexene, 1-methyl-5-(1-methylethenyl)-, (R)- ⁴⁷⁵		≤ 10.0
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	0.451		≤ 0.0023
VOC TIC5 Quant	T352	10.0 ng	None	1900 - Ethyl Benzene ^{475 483}		≤ 10.0
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	0.539		< 0.0023
VOC TIC6 Quant	T352	10.0 ng	None	1200 - 1,2,4-trimethyl benzene		≤ 10.0
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	0.340		< 0.0023
VOC TIC7 Quant	T352	10.0 ng	None	3200 - 2-Methyl pentane ⁴⁸³		≤ 10.0
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	0.722		< 0.0023
VOC TIC8 Quant	T352	10.0 ng	None	930 - Benzene		< 10.0
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	0.342		< 0.0023
VOC TIC9 Quant	T352	10.0 ng	None	2500 - Methyl cyclopentane ⁴⁸⁹		≤ 10.0
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	0.654		< 0.0023

Technical Reviewer Role



Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIR02-1-GCMS-TD	749129, 749130, 749131, 749132, 749133, 749134

Testing Location	Samples
All analysis was carried out at i2 Analytical ([REDACTED])	749129, 749130, 749131, 749132, 749133, 749134

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene

Total VOC (excluding Targets)

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.

This is a simplified test report

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Results in black are positive/detected results. Results in gray are below the LOD or have not been found.

LOD = Limit of Determination. This is the lowest reportable limit of the test.

The multi-sample report reference takes the form of [job number]-[version number].

483 - Uptake rate used to calculate mg/m3 is based on Toluene

475 - Additional compounds have been identified within 1% of the library best fit

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
10866-1

REGISTERED
DATE
23/04/2024

RECEIVED
DATE
23/04/2024

ANALYSIS
STARTED
23/04/2024

ANALYSIS
COMPLETE
29/04/2024

LABORATORY



CUSTOMER



CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 11/04/2024

PO NUMBER S3240
SAMPLING TIME (MIN) 10080

Matrix: Tenax TD Tube

Determinand	Technique	LOD	Accreditation	i2 Sample Number	757204	757205	757206	757207
				Pre Printed Barcode	736837	736841	736824	780649
				Sample Reference	EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4
Number of significant peaks	T352	0.0	None	N.D.	N.D.	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00225	< 0.00225	< 0.00225	< 0.00225	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None	< 10.0 ⁷⁵¹	< 10.0 ⁷⁵²	< 10.0 ⁷⁵¹	< 10.0 ⁷⁵¹	< 10.0 ⁷⁵¹
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0 ⁷⁵³	< 10.0 ⁷⁵²	< 10.0 ⁷⁵¹	< 10.0 ⁷⁵¹	< 10.0 ⁷⁵¹
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0 ⁷⁵⁴	< 10.0 ⁷⁵²	< 10.0 ⁷⁵¹	< 10.0 ⁷⁵¹	< 10.0 ⁷⁵¹
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0 ⁷⁵⁵	< 10.0 ⁷⁵²	< 10.0 ⁷⁵¹	< 10.0 ⁷⁵¹	< 10.0 ⁷⁵¹
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0 ⁷⁵⁶	< 10.0 ⁷⁵²	< 10.0 ⁷⁵¹	< 10.0 ⁷⁵¹	< 10.0 ⁷⁵¹
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0 ⁷⁵⁷	< 10.0 ⁷⁵²	< 10.0 ⁷⁵¹	< 10.0 ⁷⁵¹	< 10.0 ⁷⁵¹
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0 ⁷⁵⁸	< 10.0 ⁷⁵²	< 10.0 ⁷⁵¹	< 10.0 ⁷⁵¹	< 10.0 ⁷⁵¹
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0 ⁷⁵⁹	< 10.0 ⁷⁵²	< 10.0 ⁷⁵¹	< 10.0 ⁷⁵¹	< 10.0 ⁷⁵¹
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0 ⁷⁶⁰	< 10.0 ⁷⁵²	< 10.0 ⁷⁵¹	< 10.0 ⁷⁵¹	< 10.0 ⁷⁵¹
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0 ⁷⁶¹	< 10.0 ⁷⁵²	< 10.0 ⁷⁵¹	< 10.0 ⁷⁵¹	< 10.0 ⁷⁵¹
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023

Technical Reviewer Role



Senior Customer Service Advisor
Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIR02-1-GCMS-TD	757204, 757205, 757206, 757207

Testing Location	Samples
All analysis was carried out at i2 Analytical	757204, 757205, 757206, 757207

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene
Total VOC (excluding Targets)

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.

This is a simplified test report.

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Results in black are positive/detected results. Results in gray are below the LOD or have not been found.

LOD = Limit of Determination. This is the lowest reportable limit of the test.

The multi-sample report reference takes the form of [job number]-[version number].

483 - Uptake rate used to calculate mg/m3 is based on Toluene

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
10952-1

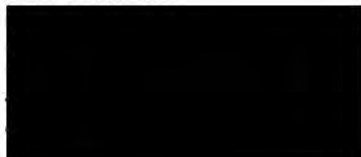
REGISTERED
DATE
11/03/2024

RECEIVED
DATE
30/04/2024

ANALYSIS
STARTED
30/04/2024

ANALYSIS
COMPLETE
10/05/2024

LABORATORY



CUSTOMER



CLIENT CODE
CLIENT SITE

S3240
Ardrossan North Shore

PO NUMBER
SAMPLING TIME (MIN)

S3240
10080

Matrix: Tenax TD Tube

Determinand	Technique	LOD	Accreditation	i2 Sample Number	733772	733773	733774	733775
				Pre Printed Barcode	749688	780650	1011533	749755
				Sample Reference	EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4
Number of significant peaks	T352	0.0	None	N.D.	N.D.	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.0135	< 0.0135	< 0.0135	< 0.0135	< 0.0135
VOC TIC1 Quant	T352	10.0 ng	None	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.009	< 0.009	< 0.009	< 0.009	< 0.009
VOC TIC10 Quant	T352	10.0 ng	None	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.009	< 0.009	< 0.009	< 0.009	< 0.009
VOC TIC2 Quant	T352	10.0 ng	None	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.009	< 0.009	< 0.009	< 0.009	< 0.009
VOC TIC3 Quant	T352	10.0 ng	None	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.009	< 0.009	< 0.009	< 0.009	< 0.009
VOC TIC4 Quant	T352	10.0 ng	None	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.009	< 0.009	< 0.009	< 0.009	< 0.009
VOC TIC5 Quant	T352	10.0 ng	None	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.009	< 0.009	< 0.009	< 0.009	< 0.009
VOC TIC6 Quant	T352	10.0 ng	None	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.009	< 0.009	< 0.009	< 0.009	< 0.009
VOC TIC7 Quant	T352	10.0 ng	None	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.009	< 0.009	< 0.009	< 0.009	< 0.009
VOC TIC8 Quant	T352	10.0 ng	None	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.009	< 0.009	< 0.009	< 0.009	< 0.009
VOC TIC9 Quant	T352	10.0 ng	None	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³	< 60.0 ¹¹⁶³
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.009	< 0.009	< 0.009	< 0.009	< 0.009

Technical Reviewer Role



Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIR02-1-GCMS-TD	733772, 733773, 733774, 733775

Testing Location	Samples
All analysis was carried out at [REDACTED]	733772, 733773, 733774, 733775

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene

Total VOC (excluding Targets)

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.

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Results in black are positive/detected results. Results in gray are below the LOD or have not been found.

LOD = Limit of Determination. This is the lowest reportable limit of the test.

The multi-sample report reference takes the form of [job number] [version number].

483 - Uptake rate used to calculate mg/m3 is based on Toluene

1196 - LOD Raised due to instrument error.

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
11030-1

REGISTERED
DATE
07/05/2024

RECEIVED
DATE
07/05/2024

ANALYSIS
STARTED
07/05/2024

ANALYSIS
COMPLETE
13/05/2024

LABORATORY



CUSTOMER



CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 25/04/2024

PO NUMBER S3240
SAMPLING TIME (MIN) 10080

Matrix: Tenax TD Tube

Determinand	Technique	LOD	Accreditation	i2 Sample Number	765296	765297	765298	765299
				Pre Printed Barcode	792015	MI 144016	792056	749745
				Sample Reference	EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4
Number of significant peaks	T352	0.0	None	N.D.	N.D.	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00225	< 0.00225	< 0.00225	< 0.00225	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None	< 10.0 ⁷⁷⁴	< 10.0 ⁷⁷⁴	< 10.0 ⁷⁷⁴	< 10.0 ⁷⁷⁴	< 10.0 ⁷⁷⁴
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031	< 0.0031	< 0.0031	< 0.0031	< 0.0031
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0 ⁷⁷⁵	< 10.0 ⁷⁷⁵	< 10.0 ⁷⁷⁵	< 10.0 ⁷⁷⁵	< 10.0 ⁷⁷⁵
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031	< 0.0031	< 0.0031	< 0.0031	< 0.0031
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0 ⁷⁷⁶	< 10.0 ⁷⁷⁶	< 10.0 ⁷⁷⁶	< 10.0 ⁷⁷⁶	< 10.0 ⁷⁷⁶
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031	< 0.0031	< 0.0031	< 0.0031	< 0.0031
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0 ⁷⁷⁷	< 10.0 ⁷⁷⁷	< 10.0 ⁷⁷⁷	< 10.0 ⁷⁷⁷	< 10.0 ⁷⁷⁷
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031	< 0.0031	< 0.0031	< 0.0031	< 0.0031
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0 ⁷⁷⁸	< 10.0 ⁷⁷⁸	< 10.0 ⁷⁷⁸	< 10.0 ⁷⁷⁸	< 10.0 ⁷⁷⁸
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031	< 0.0031	< 0.0031	< 0.0031	< 0.0031
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0 ⁷⁷⁹	< 10.0 ⁷⁷⁹	< 10.0 ⁷⁷⁹	< 10.0 ⁷⁷⁹	< 10.0 ⁷⁷⁹
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031	< 0.0031	< 0.0031	< 0.0031	< 0.0031
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0 ⁷⁸⁰	< 10.0 ⁷⁸⁰	< 10.0 ⁷⁸⁰	< 10.0 ⁷⁸⁰	< 10.0 ⁷⁸⁰
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031	< 0.0031	< 0.0031	< 0.0031	< 0.0031
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0 ⁷⁸¹	< 10.0 ⁷⁸¹	< 10.0 ⁷⁸¹	< 10.0 ⁷⁸¹	< 10.0 ⁷⁸¹
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031	< 0.0031	< 0.0031	< 0.0031	< 0.0031
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0 ⁷⁸²	< 10.0 ⁷⁸²	< 10.0 ⁷⁸²	< 10.0 ⁷⁸²	< 10.0 ⁷⁸²
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031	< 0.0031	< 0.0031	< 0.0031	< 0.0031
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0 ⁷⁸³	< 10.0 ⁷⁸³	< 10.0 ⁷⁸³	< 10.0 ⁷⁸³	< 10.0 ⁷⁸³
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031	< 0.0031	< 0.0031	< 0.0031	< 0.0031

Technical Reviewer

Role



Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIR02-1-GCMS-TD	765296, 765297, 765298, 765299

Testing Location	Samples
All analysis was carried out at i2 A	765296, 765297, 765298, 765299

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene
Total VOC (excluding Targets)

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.
Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.
Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.
This is a simplified test report
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Results in black are positive/detected results. Results in gray are below the LOD or have not been found.
LOD = Limit of Determination. This is the lowest reportable limit of the test.
The multi-sample report reference takes the form of [job number]-[version number].
483 - Uptake rate used to calculate mg/m3 is based on Toluene

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
11067-1

REGISTERED
DATE
10/05/2024

RECEIVED
DATE
10/05/2024

ANALYSIS
STARTED
10/05/2024

ANALYSIS
COMPLETE
24/05/2024

LABORATORY



CUSTOMER



CLIENT CODE

S3240

PO NUMBER

S3240

CLIENT SITE

Ardrossan North Shore

SAMPLING TIME (MIN)

10080

DATE SAMPLED (DD/MM/YY)

02/05/2024

Matrix: Tenax TD Tube

Determinand	Technique	LOD	Accreditation	i2 Sample Number	767977	767978	767979	767980
				Pre Printed Barcode	736E49	749763	780645	792078
				Sample Reference	EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4
Number of significant peaks	T352	0.0	None	N.D.	N.D.	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00225	< 0.00225	< 0.00225	< 0.00225	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰

Technical Reviewer

Role



Customer Service Manager

Senior Customer Service Advisor

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIR02-1-GCMS-TD	767977, 767978, 767979, 767980

Testing Location	Samples
All analysis was carried out at 2	767977, 767978, 767979, 767980

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene
Total VOC (excluding Targets)

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Tests covered by this certificate were conducted in accordance with IZ Analytical's SOPs.

Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.

This is a simplified test report

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Results in black are positive/detected results. Results in gray are below the LOD or have not been found.

LOD = Limit of Determination. This is the lowest reportable limit of the test.

The multi-sample report reference takes the form of [job number] [version number].

483 - Uptake rate used to calculate mg/m3 is based on Toluene

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
11136-1

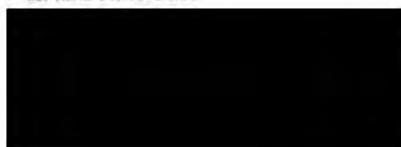
REGISTERED
DATE
17/05/2024

RECEIVED
DATE
17/05/2024

ANALYSIS
STARTED
20/05/2024

ANALYSIS
COMPLETE
24/05/2024

LABORATORY



CUSTOMER



CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 09/05/2024

PO NUMBER S3240
SAMPLING TIME (MIN) 10080

Matrix: Tenax TD Tube

Determinand	Technique	LOD	Accreditation	i2 Sample Number	772311	772312	772313	772314
				Pre Printed Barcode	749678	736829	792018	792020
				Sample Reference	EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4
Number of significant peaks	T352	0.0	None	N.D.	N.D.	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00225	< 0.00225	< 0.00225	< 0.00225	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031 ¹⁰²	< 0.0031 ¹⁰²	< 0.0031 ¹⁰²	< 0.0031 ¹⁰²	< 0.0031 ¹⁰²
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031 ¹⁰²	< 0.0031 ¹⁰²	< 0.0031 ¹⁰²	< 0.0031 ¹⁰²	< 0.0031 ¹⁰²
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031 ¹⁰²	< 0.0031 ¹⁰²	< 0.0031 ¹⁰²	< 0.0031 ¹⁰²	< 0.0031 ¹⁰²
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031 ¹⁰²	< 0.0031 ¹⁰²	< 0.0031 ¹⁰²	< 0.0031 ¹⁰²	< 0.0031 ¹⁰²
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰	< 0.0031 ¹⁰⁰
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031 ¹⁰⁵	< 0.0031 ¹⁰⁵	< 0.0031 ¹⁰⁵	< 0.0031 ¹⁰⁵	< 0.0031 ¹⁰⁵
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031 ¹⁰⁵	< 0.0031 ¹⁰⁵	< 0.0031 ¹⁰⁵	< 0.0031 ¹⁰⁵	< 0.0031 ¹⁰⁵
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031 ¹⁰⁵	< 0.0031 ¹⁰⁵	< 0.0031 ¹⁰⁵	< 0.0031 ¹⁰⁵	< 0.0031 ¹⁰⁵

Technical Reviewer Role



Customer Service Manager
Senior Customer Service Advisor

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIR02-1 GCMS- TD	772311, 772312, 772313, 772314

Testing Location	Samples
All analysis was carried out at i2 Analytical	772311, 772312, 772313, 772314

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene
Total VOC (excluding Targets)

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.
Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.
Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.
This is a simplified test report
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Results in black are positive/detected results. Results in gray are below the LOD or have not been found.
LOD = Limit of Determination. This is the lowest reportable limit of the test.
The multi-sample report reference takes the form of [job number]-[version number].
483 - Uptake rate used to calculate mg/m3 is based on Toluene

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
11230-1

REGISTERED
DATE
03/05/2024

RECEIVED
DATE
28/05/2024

ANALYSIS
STARTED
28/05/2024

ANALYSIS
COMPLETE
11/06/2024

LABORATORY

CUSTOMER

CLIENT CODE
CLIENT SITE
DATE SAMPLED (DD/MM/YY)

S3240
Ardrossan North Shore
16/05/2024

PO NUMBER
SAMPLING TIME (MIN)

S3240
10080

Matrix: Tenax TD Tube

Determinand	Technique	LOD	Accreditation	i2 Sample Number	764000	764001	764002	764003
				Pre Printed Barcode	792021	749680	437850	1044951
				Sample Reference	EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4
Number of significant peaks	T352	0.0	None		N.D.	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None		< 10.0	< 10.0	< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None		< 0.00225	< 0.00225	< 0.00225	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None	12 - 1-Hexanol, 2-ethyl- 475, 483	< 10.0	< 10.0	41 - 1-Hexanol, 2-ethyl- 475, 483	29 - 1-Hexanol, 2-ethyl- 475, 483
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None		0.0037	< 0.0031	0.0127	0.0090
VOC TIC10 Quant	T352	10.0 ng	None		< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0031	< 0.0031	< 0.0031	< 0.0031
VOC TIC2 Quant	T352	10.0 ng	None		< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0031	< 0.0031	< 0.0031	< 0.0031
VOC TIC3 Quant	T352	10.0 ng	None		< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0031	< 0.0031	< 0.0031	< 0.0031
VOC TIC4 Quant	T352	10.0 ng	None		< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0031	< 0.0031	< 0.0031	< 0.0031
VOC TIC5 Quant	T352	10.0 ng	None		< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0031	< 0.0031	< 0.0031	< 0.0031
VOC TIC6 Quant	T352	10.0 ng	None		< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0031	< 0.0031	< 0.0031	< 0.0031
VOC TIC7 Quant	T352	10.0 ng	None		< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0031	< 0.0031	< 0.0031	< 0.0031
VOC TIC8 Quant	T352	10.0 ng	None		< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0031	< 0.0031	< 0.0031	< 0.0031
VOC TIC9 Quant	T352	10.0 ng	None		< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0031	< 0.0031	< 0.0031	< 0.0031

Technical Reviewer

Role

Senior Customer Service Advisor

Customer Service Advisor

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIR02-1-GCMS-TD	764000, 764001, 764002, 764003

Testing Location	Samples
All analysis was carried out at i2 Analytical	764000, 764001, 764002, 764003

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene
Total VOC (excluding Targets)

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.
Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.
Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.
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LOD = Limit of Determination. This is the lowest reportable limit of the test.
The multi-sample report reference takes the form of [job number]-[version number].
475 - Additional compounds have been identified within 1% of the library best fit.
483 - Uptake rate used to calculate mg/m3 is based on Toluene.

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
11292-1

REGISTERED
DATE
14/05/2024

RECEIVED
DATE
04/06/2024

ANALYSIS
STARTED
05/06/2024

ANALYSIS
COMPLETE
11/06/2024

LABORATORY

CUSTOMER

CLIENT CODE

S3240

PO NUMBER

S3240

CLIENT SITE

Ardrossan North Shore

SAMPLING TIME (MIN)

10080

DATE SAMPLED (DD/MM/YY)

23/05/2024

Matrix: Tenax TD Tube

Determinand	Technique	LOD	Accreditation	i2 Sample Number	769221	769222	769223	769224
				Pre Printed Barcode	437845	437842	1143592	749746
				Sample Reference	EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4
Number of significant peaks	T352	0.0	None		N.D.	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None		< 10.0	< 10.0	< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None		< 0.00225	< 0.00225	< 0.00225	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None	12 - 1-Hexanol, 2-ethyl- ^{475 493}	< 10.0 ⁴⁷⁵	< 10.0 ⁴⁷⁵	< 10.0 ⁴⁷⁵	< 10.0 ⁴⁷⁵
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None		0.0037	< 0.0031	< 0.0031	< 0.0031
VOC TIC10 Quant	T352	10.0 ng	None		< 10.0 ⁴⁷⁵	< 10.0 ⁴⁷⁵	< 10.0 ⁴⁷⁵	< 10.0 ⁴⁷⁵
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0031	< 0.0031	< 0.0031	< 0.0031
VOC TIC2 Quant	T352	10.0 ng	None		< 10.0 ⁴⁷⁵	< 10.0 ⁴⁷⁵	< 10.0 ⁴⁷⁵	< 10.0 ⁴⁷⁵
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0031	< 0.0031	< 0.0031	< 0.0031
VOC TIC3 Quant	T352	10.0 ng	None		< 10.0 ⁴⁷⁵	< 10.0 ⁴⁷⁵	< 10.0 ⁴⁷⁵	< 10.0 ⁴⁷⁵
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0031	< 0.0031	< 0.0031	< 0.0031
VOC TIC4 Quant	T352	10.0 ng	None		< 10.0 ⁴⁷⁵	< 10.0 ⁴⁷⁵	< 10.0 ⁴⁷⁵	< 10.0 ⁴⁷⁵
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0031	< 0.0031	< 0.0031	< 0.0031
VOC TIC5 Quant	T352	10.0 ng	None		< 10.0 ⁴⁷⁵	< 10.0 ⁴⁷⁵	< 10.0 ⁴⁷⁵	< 10.0 ⁴⁷⁵
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0031	< 0.0031	< 0.0031	< 0.0031
VOC TIC6 Quant	T352	10.0 ng	None		< 10.0 ⁴⁷⁵	< 10.0 ⁴⁷⁵	< 10.0 ⁴⁷⁵	< 10.0 ⁴⁷⁵
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0031	< 0.0031	< 0.0031	< 0.0031
VOC TIC7 Quant	T352	10.0 ng	None		< 10.0 ⁴⁷⁵	< 10.0 ⁴⁷⁵	< 10.0 ⁴⁷⁵	< 10.0 ⁴⁷⁵
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0031	< 0.0031	< 0.0031	< 0.0031
VOC TIC8 Quant	T352	10.0 ng	None		< 10.0 ⁴⁷⁵	< 10.0 ⁴⁷⁵	< 10.0 ⁴⁷⁵	< 10.0 ⁴⁷⁵
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0031	< 0.0031	< 0.0031	< 0.0031
VOC TIC9 Quant	T352	10.0 ng	None		< 10.0 ⁴⁷⁵	< 10.0 ⁴⁷⁵	< 10.0 ⁴⁷⁵	< 10.0 ⁴⁷⁵
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None		< 0.0031	< 0.0031	< 0.0031	< 0.0031

Technical Reviewer

Role

Senior Customer Service Advisor

Customer Service Advisor

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIR02-1-GCMS-TD	769221, 769222, 769223, 769224

Testing Location	Samples
All analysis was carried out at i2 Analytical	769221, 769222, 769223, 769224

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene
Total VOC (excluding Targets)

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Tests covered by this certificate were conducted in accordance with i2 Analytical's SOP's.

Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.

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Results in black are positive/detected results. Results in gray are below the LOD or have not been found.

LOD = Limit of Determination. This is the lowest reportable limit of the test.

The multi-sample report reference takes the form of [job number] [version number].

475 - Additional compounds have been identified within 1% of the library best fit.

483 - Uptake rate used to calculate mg/m3 is based on Toluene

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
11356-1

REGISTERED
DATE
20/05/2024

RECEIVED
DATE
10/06/2024

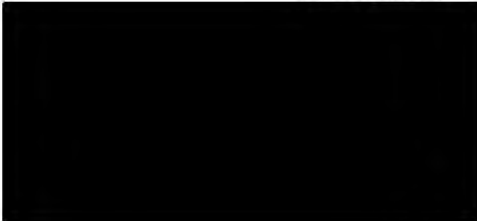
ANALYSIS
STARTED
10/06/2024

ANALYSIS
COMPLETE
13/06/2024

LABORATORY



CUSTOMER



CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 30/05/2024

PO NUMBER S3240
SAMPLING TIME (MIN) 10080

Matrix: Tenax TD Tube

Determinand	Technique	LOD	Accreditation	i2 Sample Number	773004	773005	773006	773007
				Pre Printed Barcode	749677	792084	792031	792097
				Sample Reference	EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4
Number of significant peaks	T352	0.0	None	N.D.	N.D.	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00225	< 0.00225	< 0.00225	< 0.00225	< 0.00225
VOC TIC1 Quant	T352	10.0 ng	None	< 10.0 ^{5/15}	< 10.0 ^{15/1}	< 10.0 ^{15/1}	13 - Benzoic Acid ⁴⁸³	
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031	< 0.0031	< 0.0031	0.0040	
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0 ^{15/1}	< 10.0 ^{15/1}	< 10.0 ^{15/1}	< 10.0 ^{15/1}	< 10.0 ^{15/1}
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031	< 0.0031	< 0.0031	< 0.0031	< 0.0031
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0 ^{5/15}	< 10.0 ^{15/1}	< 10.0 ^{15/1}	13 - Pentyl-cyclohexane ⁴⁸³	
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031	< 0.0031	< 0.0031	0.0040	
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0 ^{15/1}	< 10.0 ^{15/1}	< 10.0 ^{15/1}	< 10.0 ^{15/1}	< 10.0 ^{15/1}
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031	< 0.0031	< 0.0031	< 0.0031	< 0.0031
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0 ^{5/15}	< 10.0 ^{15/1}	< 10.0 ^{15/1}	< 10.0 ^{15/1}	< 10.0 ^{15/1}
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031	< 0.0031	< 0.0031	< 0.0031	< 0.0031
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0 ^{5/15}	< 10.0 ^{15/1}	< 10.0 ^{15/1}	< 10.0 ^{15/1}	< 10.0 ^{15/1}
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031	< 0.0031	< 0.0031	< 0.0031	< 0.0031
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0 ^{15/1}	< 10.0 ^{15/1}	< 10.0 ^{15/1}	< 10.0 ^{15/1}	< 10.0 ^{15/1}
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031	< 0.0031	< 0.0031	< 0.0031	< 0.0031
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0 ^{15/1}	< 10.0 ^{15/1}	< 10.0 ^{15/1}	< 10.0 ^{15/1}	< 10.0 ^{15/1}
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031	< 0.0031	< 0.0031	< 0.0031	< 0.0031
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0 ^{15/1}	< 10.0 ^{15/1}	< 10.0 ^{15/1}	< 10.0 ^{15/1}	< 10.0 ^{15/1}
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031	< 0.0031	< 0.0031	< 0.0031	< 0.0031
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0 ^{15/1}	< 10.0 ^{15/1}	< 10.0 ^{15/1}	< 10.0 ^{15/1}	< 10.0 ^{15/1}
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031	< 0.0031	< 0.0031	< 0.0031	< 0.0031

Technical Reviewer Role



Senior Customer Service Advisor
Customer Service Advisor

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIR02-1-GCMS-TD	773004, 773005, 773006, 773007

Testing Location	Samples
All analysis was carried out at i2	773004, 773005, 773006, 773007

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene
Total VOC (excluding Targets)

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.

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LOD = Limit of Determination. This is the lowest reportable limit of the test.

The multi-sample report reference takes the form of [job number]-[version number].

483 - Uptake rate used to calculate mg/m3 is based on Toluene

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
11465-1

REGISTERED
DATE
18/06/2024

RECEIVED
DATE
18/06/2024

ANALYSIS
STARTED
19/06/2024

ANALYSIS
COMPLETE
01/07/2024

LABORATORY

CUSTOMER

CLIENT CODE
CLIENT SITE
DATE SAMPLED (DD/MM/YY)

S3240
Ardrossan North Shore
06/06/2024

PO NUMBER
SAMPLING TIME (MIN)

S3240
10080

Matrix: Tenax TD Tube

Determinand	Technique	LOD	Accreditation	i2 Sample Number	791891	791893	791890	791892
				Pre Printed Barcode	792061	792079	792027	749715
				Sample Reference	EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4
Number of significant peaks	T352	0.0	None	N.D.	N.D.	N.D.	N.D.	
Total VOC (excluding Targets)	T352	10.0 ng	None	280	340	1000	760	
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	0.0639	0.0771	0.233	0.172	
VOC TIC1 Quant	T352	10.0 ng	None	55 - Benzoic Acid	< 10.0	< 10.0	< 10.0	
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	0.0174 ⁴⁹³	< 0.0031 ³⁰⁵	< 0.0031 ³⁰⁵	< 0.0031 ³⁰⁵	
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031 ³²⁰	< 0.0031 ³⁰⁵	< 0.0031 ³⁰⁵	< 0.0031 ³⁰⁵	
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031 ³²⁰	< 0.0031 ³⁰⁵	< 0.0031 ³⁰⁵	< 0.0031 ³⁰⁵	
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031 ³²⁰	< 0.0031 ³⁰⁵	< 0.0031 ³⁰⁵	< 0.0031 ³⁰⁵	
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031 ³²⁰	< 0.0031 ³⁰⁵	< 0.0031 ³⁰⁵	< 0.0031 ³⁰⁵	
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031 ³²⁰	< 0.0031 ³⁰⁵	< 0.0031 ³⁰⁵	< 0.0031 ³⁰⁵	
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031 ³²⁰	< 0.0031 ³⁰⁵	< 0.0031 ³⁰⁵	< 0.0031 ³⁰⁵	
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031 ³²⁰	< 0.0031 ³⁰⁵	< 0.0031 ³⁰⁵	< 0.0031 ³⁰⁵	
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031 ³²⁰	< 0.0031 ³⁰⁵	< 0.0031 ³⁰⁵	< 0.0031 ³⁰⁵	
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0031 ³²⁰	< 0.0031 ³⁰⁵	< 0.0031 ³⁰⁵	< 0.0031 ³⁰⁵	

Technical Reviewer Role

Customer Service Manager

Customer Service Advisor

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIR02-1-GCMS-TD	791890, 791891, 791892, 791893

Testing Location	Samples
All analysis was carried out at i2 Analytical	791890, 791891, 791892, 791893

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene
Total VOC (excluding Targets)

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.
Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.
Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.
This is a simplified test report
This certificate should not be reproduced, except in full, without the express permission of the laboratory.
Results in black are positive/detected results. Results in gray are below the LOD or have not been found.
LOD = Limit of Determination. This is the lowest reportable limit of the test.
The multi-sample report reference takes the form of {job number}-{version number}.
483 - Uptake rate used to calculate mg/m3 is based on Toluene

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
11660-1

REGISTERED
DATE
08/07/2024

RECEIVED
DATE
08/07/2024

ANALYSIS
STARTED
09/07/2024

ANALYSIS
COMPLETE
16/07/2024

LABORATORY

CUSTOMER

CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 21/06/2024

PO NUMBER S3240
SAMPLING TIME (MIN) 17280

Matrix: Tenax TD Tube

Determinand	Technique	LOD	Accreditation	i2 Sample Number	804000	804001	804002	804003
				Pre Printed Barcode	736835	792093	749742	749685
				Sample Reference	EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4
Number of significant peaks	T352	0.0	None	N.D.	N.D.	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	< 0.00132	< 0.00132	< 0.00132	< 0.00132	< 0.00132
VOC TIC1 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰	< 10.0 ¹⁰⁰
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Technical Reviewer

Role

Senior Customer Service Advisor

Customer Service Advisor

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIR02-1-GCMS-TD	804000, 804001, 804002, 804003

Testing Location	Samples
All analysis was carried out at i2 [REDACTED]	804000, 804001, 804002, 804003

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene
Total VOC (excluding Targets)

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.
Tests covered by this certificate were conducted in accordance with i2 Analyticals SOPs.
Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.
This is a simplified test report
This certificate should not be reproduced, except in full, without the express permission of the laboratory.
Results in black are positive/detected results. Results in gray are below the LOD or have not been found.
LOD = Limit of Determination. This is the lowest reportable limit of the test.
The multi-sample report reference takes the form of [job number].[version number].
483 - Uptake rate used to calculate mg/m3 is based on Toluene



4041



ENVIRONMENTAL Science

Lab Department



t: -

f: -



Analytical Report Number : 23-65463 / 9135

Project / Site name: Ardrossan North Shore

Samples received on: 30/10/2023

Your job number: S3240

Samples instructed on/
Analysis started on: 30/10/2023

Your order number: S3240

Analysis completed by: 03/11/2023

Report Issue Number: 1

Report issued on: 06/11/2023

Samples Analysed: 6 bulk samples

Signed: 


Technical Reviewer

For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: 

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.



4041



Environmental Science

Analytical Report Number: 23-65463 /9135

Project / Site name: sanctus s3240

Lab Sample Number	2860828	2860829	2860830	2860831	2860832
Sample Reference	668879	668880	668881	668882	668883
Sample Number	EMS2.1	EMS2.2	EMS2.3	EMS2.4	EMS2.5
Depth (m)	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled	Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status		

Asbestos Identification	Type	N/A	ISO 17025	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Asbestos Analyst ID	N/A	N/A	N/A	DSA	DSA	DSA	MJN	MJN

Number of Graticules Counted	Number	N/A	NONE	200	200	200	200	200
Sample Volume on Filter	ml	N/A	NONE	1	1	1	1	1
Total Sample Volume	L	N/A	NONE	0.45	0.19	0.41	0.21	0.21

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



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Environmental Science

Analytical Report Number: 23-65463 /9135

Project / Site name: sanctus s3240

Lab Sample Number				2860833
Sample Reference				668884
Sample Number				EMS2.6
Depth (m)				None Supplied
Date Sampled				Deviating
Time Taken				None Supplied
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status	

Asbestos Identification	Type	N/A	ISO 17025	No Asbestos Detected
Asbestos Analyst ID	N/A	N/A	N/A	MJN

Number of Graticules Counted	Number	N/A	NONE	200
Sample Volume on Filter	ml	N/A	NONE	1
Total Sample Volume	L	N/A	NONE	0.38

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



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Environmental Science

Analytical Report Number : 23-65463 / 9135

Project / Site name:S3240

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos Identification in Bulks	Asbestos Identification in bulk material with the use of polarised light microscopy in conjunction with dispersion staining techniques.	In house method based on HSG 248	A001-PL	W	ISO 17025
Asbestos Fibre Counting	Fibre counting in waters	Fibre counting based on HSG 248	A005	W	NONE

For method numbers ending in 'UK or A' analysis have been carried out in our laboratory in the United Kingdom (WATFORD).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL or B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.



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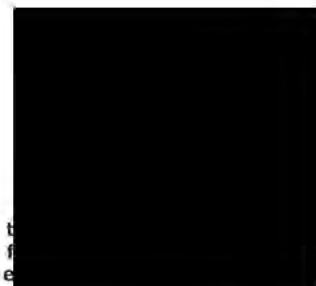


Environmental Science

Lab Department



t: ~



Analytical Report Number : 23-100117 / 9618

Replaces Analytical Report Number: 23-100117, issue no. 1

Report format change.

V2- To correct the analyst initials for the asbestos analysis, method code and accreditation status of Asbestos fibre counting on the asbestos report, which was incorrect on V1 due to a report template error.

Project / Site name:	Ardrossan North Shore	Samples received on:	12/12/2023
Your job number:	S3240	Samples instructed on/ Analysis started on:	12/12/2023
Your order number:	S3240	Analysis completed by:	18/12/2023
Report Issue Number:	2	Report issued on:	31/01/2024
Samples Analysed:	6 bulk samples		

Signed

Technical Reviewer

For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

Excel copies of reports are only valid when accompanied by this PDF certificate.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.



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Environmental Science

Analytical Report Number: 23-100117 / 9618

Your Order No: S3240

Lab Sample Number				100550	100551	100552	100553	100554
Sample Reference				691604	691605	691606	691607	691608
Sample Number				EMS2.1	EMS2.2	EMS2.3	EMS2.4	EMS2.5
Analytical Parameter (Bulk Analysis)				Units	Limit of detection	Accreditation Status		

Asbestos

Asbestos in bulks	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	SSZ	SSZ	SSZ	SSZ	SSZ

Number of Fibres Counted (PCOM)	Number	N/A	NONE	0	0	0	0	0
Range of Fibre Lengths	µm	N/A	NONE	0	0	0	0	0
Range of Fibre Widths	µm	N/A	NONE	0	0	0	0	0

Number of Graticules Counted	Number	N/A	NONE	200	200	200	200	200
Sample Volume on Filter	ml	N/A	NONE	1	1	1	1	1
Total Sample Volume	L	N/A	NONE	0.1	0.02	0.36	0.38	0.83

U/S = Unsuitable Sample I/S = Insufficient Sample



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Environmental Science

Analytical Report Number: 23-100117 / 9618

Your Order No: S3240

Lab Sample Number				100555
Sample Reference				691609
Sample Number				EMS2.6
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status	

Asbestos

Asbestos in bulks	Type	N/A	ISO 17025	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	SSZ

Number of Fibres Counted (PCOM)	Number	N/A	NONE	0
Range of Fibre Lengths	µm	N/A	NONE	0
Range of Fibre Widths	µm	N/A	NONE	0

Number of Graticules Counted	Number	N/A	NONE	200
Sample Volume on Filter	ml	N/A	NONE	1
Total Sample Volume	L	N/A	NONE	0.87

U/S = Unsuitable Sample I/S = Insufficient Sample



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Environmental Science

Analytical Report Number : 23-100117 / 9618
Project / Site name: S3240 - Ardrossan North Shore

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos Identification in Bulks	Asbestos Identification in bulk material with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A0018	W	ISO 17025
Total Solids	Determined gravimetrically following filtration	In-house method	L004B	W	NONE
Asbestos Fibre Counting	Fibre counting in bulk material (filter) with the use light polarised and phase contrast microscopy (PLM/PCM)	Fibre counting based on HSG 248, 2021	A008B	D	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.



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Environmental Science

Lab Department



t: -

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f: -

e: -



Analytical Report Number : 23-100199

Replaces Analytical Report Number: 23-100199, issue no. 2

Client references/information amended.

V3- To include the start/end sampling date, at the request of the customer.

V2- To correct the analyst initials for the asbestos analysis, method code and accreditation status of Asbestos fibre counting on the asbestos report, which was incorrect on V1 due to a report template error.

Project / Site name:	Ardrossan North Shore	Samples received on:	20/12/2023
Your job number:	S3240	Samples Instructed on/ Analysis started on:	20/01/2023
Your order number:	S3240	Analysis completed by:	29/12/2023
Report Issue Number:	3	Report issued on:	20/02/2024
Samples Analysed:	6 bulk samples		

Signed: -



Technical Reviewer

For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: -



Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.



4041



Environmental Science

Analytical Report Number: 23-100199 / 9699

Project / Site name: S3240

Your Order No: S3240

Lab Sample Number	100959	100960	100961	100962	100963
Sample Reference	694671	694672	694673	694674	694675
Sample Number	EMS2.1	EMS2.2	EMS2.3	EMS2.4	EMS2.5
Date Sampled	11/12/2023	11/12/2023	11/12/2023	11/12/2023	11/12/2023
End Date Sampled	14/12/2023	14/12/2023	14/12/2023	14/12/2023	14/12/2023
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status		

Asbestos

Asbestos in bulks	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	DSA	DSA	DSA	DSA	DSA
Number of Fibres Counted (PCOM)	Number	N/A	NONE	0	0	0	0	0
Range of Fibre Lengths	µm	N/A	NONE	0	0	0	0	0
Range of Fibre Widths	µm	N/A	NONE	0	0	0	0	0
Number of Graticules Counted	Number	N/A	NONE	200	200	200	200	200
Sample Volume on Filter	ml	N/A	NONE	1	1	1	1	1
Total Sample Volume	L	N/A	NONE	0.001	0.08	0.03	0.07	0.075

U/S = Unsuitable Sample I/S = Insufficient Sample



4041



Environmental Science

Analytical Report Number: 23-100199 / 9699

Project / Site name: S3240

Your Order No: S3240

Lab Sample Number	100964			
Sample Reference	694676			
Sample Number	EMS2.6			
Date Sampled	11/12/2023			
End Date Sampled	14/12/2023			
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status	

Asbestos

Asbestos in bulks	Type	N/A	ISO 17025	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	DSA

Number of Fibres Counted (PCOM)	Number	N/A	NONE	0
Range of Fibre Lengths	µm	N/A	NONE	0
Range of Fibre Widths	µm	N/A	NONE	0

Number of Graticules Counted	Number	N/A	NONE	200
Sample Volume on Filter	ml	N/A	NONE	1
Total Sample Volume	L	N/A	NONE	0.001

U/S = Unsuitable Sample I/S = Insufficient Sample



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Environmental Science

Analytical Report Number : 23-100199 / 9699

Project / Site name: S3240

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Bulk	Asbestos identification in bulk material with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	W	ISO 17025
Total Solids	Determined gravimetrically following filtration	In-house method	L004B	W	NONE
Asbestos Fibre Counting	Fibre counting in bulk material (filter) with the use light polarised and phase contrast microscopy (PLM/PCM)	Fibre counting based on HSG 248, 2021	L008B	D	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.



4041



Environmental Science

Lab @ Sanctus

t: -

e: [REDACTED]

t: [REDACTED]

f: [REDACTED]

e: [REDACTED]

Analytical Report Number : 9803 / 24-000262

Project / Site name: Ardrossan North Shore

Samples received on: 15/01/2024

Your job number: S3240

Samples instructed on/
Analysis started on: 15/01/2024

Your order number: S3240

Analysis completed by: 18/01/2024

Report Issue Number: 1

Report issued on: 29/01/2024

Samples Analysed: 6 bulk samples

Signed: [REDACTED]

Technical Reviewer

For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: [REDACTED]

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are:

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.



4041



Environmental Science

Analytical Report Number: 9803 / 24-000262

Your Order No: S3240

Lab Sample Number	102673	102674	102675	102676	102677
Sample Reference	704079	704080	704081	704082	704083
Sample Number	EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4	EMS 2.5
Depth (m)	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled	05/01/2024	05/01/2024	05/01/2024	05/01/2024	05/01/2024
End Date Sampled	12/01/2024	12/01/2024	12/01/2024	12/01/2024	12/01/2024
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status		

Asbestos

Asbestos in bulks	Type	H/A	ISO 17025	Not-detected	I/S	Not-detected	Not-detected	I/S
Asbestos Analyst ID	H/A	H/A	H/A	MJN	MJN	MJN	MJN	MJN
Number of Fibres Counted (PCOM)	Number	H/A	NONE	0	0	0	0	0
Range of Fibre Lengths	µm	H/A	NONE	0	0	0	0	0
Range of Fibre Widths	µm	H/A	NONE	0	0	0	0	0
Number of Graticules Counted	Number	H/A	NONE	200	200	200	200	200
Sample Volume on Filter	ml	H/A	NONE	1	1	1	1	1
Total Sample Volume	L	H/A	NONE	0.022	1/S	0.071	0.01	1/S

U/S = Unsuitable Sample I/S = Insufficient Sample



4041



Environmental Science

Analytical Report Number: 9803 / 24-000262

Your Order No: S3240

Lab Sample Number	102678			
Sample Reference	704084			
Sample Number	EMS 2.5			
Depth (m)	None Supplied			
Date Sampled	05/01/2024			
End Date Sampled	12/01/2024			
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status	

Asbestos				
Asbestos in bulks	Type	N/A	ISO 17025	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	MJN

Number of Fibres Counted (PCOM)	Number	N/A	NOIE	0
Range of Fibre Lengths	µm	N/A	NOIE	0
Range of Fibre Widths	µm	N/A	NOIE	0

Number of Graticules Counted	Number	N/A	NOIE	200
Sample Volume on Filter	ml	N/A	NOIE	1
Total Sample Volume	L	N/A	NOIE	0.001

U/S = Unsuitable Sample I/S = Insufficient Sample



4041



Environmental Science

Analytical Report Number : 9803 / 24-000262

Project / Site name: Ardrossan North Shore

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Bulks	Asbestos Identification in bulk material with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	W	ISO 17025
Asbestos Fibre Counting	Fibre counting in bulk material (filter) with the use light polarised and phase contrast microscopy (PLH/PCM)	Fibre counting based on HSG 248, 2021	A006B	D	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.



4041



Environmental Science

Lab @ Sanctus

t: -

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Analytical Report Number : 9897 / 24-000587

Replaces Analytical Report Number: 24-000587, Issue no. 2

Client references/information amended.

V3- To amend the end date sampled, at the request of the customer. Associated rate of deposition calc has been updated on the combined report.

V2- To include start/end date sampled, at the request of the customer

Project / Site name:	Androssan North Shore	Samples received on:	23/01/2024
Your job number:	S3240	Samples instructed on/ Analysis started on:	23/01/2024
Your order number:	S3240	Analysis completed by:	30/01/2024
Report Issue Number:	3	Report issued on:	21/02/2024
Samples Analysed:	6 Bulk samples		

Signed:

Technical Reviewer
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.



4041



Environmental Science

Analytical Report Number: 9897 / 24-000587
Project / Site name: S3240 - Ardrossan North Shore
Your Order No: S3240 - ARDROSSAN NORTH SHORE

Lab Sample Number	104502	104503	104504	104505	104506
Sample Reference	708044	708045	708046	708047	708048
Sample Number	EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4	EMS 2.5
Date Sampled	12/01/2024	12/01/2024	12/01/2024	12/01/2024	12/01/2024
End Date Sampled	19/01/2024	19/01/2024	19/01/2024	19/01/2024	19/01/2024
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status		

Asbestos

Asbestos in bulks	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	SCA	SCA	SCA	SCA	SCA
Number of Fibres Counted (PCOM)	Number	N/A	NONE	0	0	0	0	0
Range of Fibre Lengths	µm	N/A	NONE	0	0	0	0	0
Range of Fibre Widths	µm	N/A	NONE	0	0	0	0	0
Number of Graticules Counted	Number	N/A	NONE	200	200	200	200	200
Sample Volume on Filter	ml	N/A	NONE	1	1	1	1	1
Total Sample Volume	L	N/A	NONE	0.005	0	0.09	0.14	0.09

U/S = Unsuitable Sample I/S = Insufficient Sample



4041



Environmental Science

Analytical Report Number: 9897 / 24-000587
Project / Site name: S3240 - Ardrossan North Shore
Your Order No: S3240 - ARDROSSAN NORTH SHORE

Lab Sample Number	104507			
Sample Reference	708049			
Sample Number	EMS 2.6			
Date Sampled	12/01/2024			
End Date Sampled	19/01/2024			
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status	

Asbestos

Asbestos in bulks	Type	N/A	ISO 17025	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	SCA

Number of Fibres Counted (PCOM)	Number	N/A	NONE	0
Range of Fibre Lengths	µm	N/A	NONE	0
Range of Fibre Widths	µm	N/A	NONE	0

Number of Graticules Counted	Number	N/A	NONE	200
Sample Volume on Filter	ml	N/A	NONE	1
Total Sample Volume	L	N/A	NONE	0.015

U/S = Unsuitable Sample I/S = Insufficient Sample



4041



Environmental Science

Analytical Report Number : 9897/ 24-000587

Project / Site name: S3240 - Ardrossan North Shore

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos Identification in BULKs	Asbestos Identification in bulk material with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	W	ISO 17025
Asbestos Fibre Counting	Fibre counting in bulk material (filter) with the use of light polarised and phase contrast microscopy (PLM/PCM)	Fibre counting based on HSG 248, 2021	A008B	D	None

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 300C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.



4041



Environmental Science

Labs @ Sanctus



t: -

e: [Redacted]



t: [Redacted]
f: [Redacted]
e: [Redacted]

Analytical Report Number : 10016 / 24-000971

Project / Site name: Ardrossan North Shore

Samples received on: 30/01/2024

Your job number: S3240

Samples instructed on/
Analysis started on: 30/01/2024

Your order number: S3240

Analysis completed by: 06/02/2024

Report Issue Number: 1

Report issued on: 06/02/2024

Samples Analysed: 6 bulk samples

Signed: [Redacted]

Technical Reviewer

For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: [Redacted]

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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An estimate of measurement uncertainty can be provided on request.



4041



Environmental Science

Analytical Report Number: 10016 / 24-000971
Project / Site name: S3240 - Ardrossan North Shore
Your Order No: S3240

Lab Sample Number				106794	106795	106796	106797	106798
Sample Reference				712046	712047	712048	712049	712050
Sample Number				EMS2.1	EMS2.2	EMS2.3	EMS2.4	EMS2.5
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status					

Asbestos

Asbestos in bulks	Type	H/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	H/A	H/A	H/A	SCA	SCA	SCA	SCA	SCA

Number of Fibres Counted (PCOM)	Number	H/A	NONE	I/S	I/S	I/S	I/S	I/S
Range of Fibre Lengths	µm	H/A	NONE	I/S	I/S	I/S	I/S	I/S
Range of Fibre Widths	µm	H/A	NONE	I/S	I/S	I/S	I/S	I/S

Number of Graticules Counted	Number	H/A	NONE	I/S	I/S	I/S	I/S	I/S
Sample Volume on Filter	ml	H/A	NONE	I/S	I/S	I/S	I/S	I/S
Total Sample Volume	L	H/A	NONE	I/S	I/S	I/S	I/S	I/S

U/S = Unsuitable Sample I/S = Insufficient Sample



4041



Environmental Science

Analytical Report Number: 10016 / 24-000971
Project / Site name: S3240 - Ardrossan North Shore
Your Order No: S3240

Lab Sample Number				106799
Sample Reference				712051
Sample Number				EMS2.6
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status	

Asbestos

Asbestos in bulks	Type	N/A	ISO 17025	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	SCA

Number of Fibres Counted (PCOM)	Number	N/A	NONE	I/S
Range of Fibre Lengths	µm	N/A	NONE	I/S
Range of Fibre Widths	µm	N/A	NONE	I/S

Number of Graticules Counted	Number	N/A	NONE	I/S
Sample Volume on Filter	ml	N/A	NONE	I/S
Total Sample Volume	L	N/A	NONE	I/S

U/S = Unsuitable Sample I/S = Insufficient Sample



4041



Environmental Science

Analytical Report Number : 10016 / 24-000971
Project / Site name: S3240 - Ardrossan North Shore

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos Identification in BULKs	Asbestos Identification in bulk material with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	W	ISO 17025
Asbestos Fibre Counting	Fibre counting in bulk material (filter) with the use light polarised and phase contrast microscopy (PLM/PCM)	Fibre counting based on HSG 248, 2021	A008B	D	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture

correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

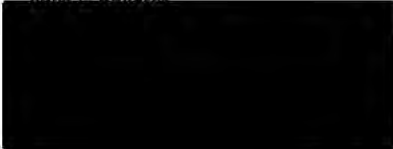


4041



Environmental Science

Labs @ Sanctus



t: -

e: [Redacted]



t:

f:

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Analytical Report Number : 10108 / 24-002217

Project / Site name: Ardrossan North Shore

Samples received on: 08/02/2024

Your job number: S3240

Samples instructed on/
Analysis started on: 08/02/2024

Your order number: S3240

Analysis completed by: 13/02/2024

Report Issue Number: 1

Report issued on: 15/02/2024

Samples Analysed: 6 bulk samples

Signed: [Redacted]

Technical Reviewer

For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.



4041



Analytical Report Number : 10108 / 24-002217
Project / Site name: S3240 - Ardrossan North Shore
Your Order No: S3240 - ARDROSSAN NORTH SHORE

Lab Sample Number				112955	112956	112957	112958	112959
Sample Reference				717985	717986	717987	717988	717989
Sample Number				EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4	EMS 2.5
Analytical Parameter (Bulk Analysis)								
	Units	Limit of detection	Accreditation Status					

Asbestos

Asbestos in bulks	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	SCA	SCA	SCA	SCA	SCA

Number of Fibres Counted (PCOM)	Number	N/A	NONE	0	0	0	0	0
Range of Fibre Lengths	µm	N/A	NONE	0	0	0	0	0
Range of Fibre Widths	µm	N/A	NONE	0	0	0	0	0

Number of Graticules Counted	Number	N/A	NONE	200	200	200	200	200
Sample Volume on Filter	ml	N/A	NONE	1	1	1	1	1
Total Sample Volume	L	N/A	NONE	0.14	0.34	0.26	0.001	0.31

U/S = Unsuitable Sample I/S = Insufficient Sample



4041



Environmental Science

Analytical Report Number : 10108 / 24-002217
Project / Site name: S3240 - Ardrossan North Shore
Your Order No: S3240 - ARDROSSAN NORTH SHORE

Lab Sample Number				112960
Sample Reference				717990
Sample Number				EMS 2.6
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status	

Asbestos

Asbestos in bulks	Type	N/A	ISO 17025	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	SCA

Number of Fibres Counted (PCOM)	Number	N/A	NONE	0
Range of Fibre Lengths	µm	N/A	NONE	0
Range of Fibre Widths	µm	N/A	NONE	0

Number of Graticules Counted	Number	N/A	NONE	200
Sample Volume on Filter	ml	N/A	NONE	1
Total Sample Volume	L	N/A	NONE	0.2

U/S = Unsuitable Sample I/S = Insufficient Sample



4041



Environmental Science

Analytical Report Number : 10108 / 24-002217
Project / Site name: S3240 - Ardrossan North Shore

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos Identification in Bulks	Asbestos Identification in bulk material with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	W	ISO 17025
Asbestos Fibre Counting	Fibre counting in bulk material (filter) with the use light polarised and phase contrast microscopy (PLM/PCM)	Fibre counting based on HSG 248, 2021	A008B	D	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 300C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.



4041



Environmental Science

Labs @ Sanctus



t: -

e: [Redacted]



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f: -

e: [Redacted]

Analytical Report Number : 10142 / 24-002721

Project / Site name: Ardrossan North Shore

Samples received on: 13/02/2024

Your job number: S3240

**Samples instructed on/
Analysis started on:** 13/02/2024

Your order number: S3240

Analysis completed by: 15/02/2024

Report Issue Number: 1

Report issued on: 19/02/2024

Samples Analysed: 6 Bulk Samples

Signed: [Redacted]

Technical Reviewer

For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: [Redacted]

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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An estimate of measurement uncertainty can be provided on request.



4041



Environmental Science

Analytical Report Number : 10142 / 24-002721
Project / Site name: S3240 - Ardrossan North Shore
Your Order No: S3240 - ARDROSSAN NORTH SHORE

Lab Sample Number	115475	115476	115477	115478	115479
Sample Reference	718935	718936	718937	718938	718939
Sample Number	EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4	EMS 2.5
Date Sampled	02/02/2024	02/02/2024	02/02/2024	02/02/2024	02/02/2024
End Date Sampled	09/02/2024	09/02/2024	09/02/2024	09/02/2024	09/02/2024
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status		

Asbestos

Asbestos in bulks	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	MJN	MJN	MJN	MJN	MJN

Number of Fibres Counted (PCOM)	Number	N/A	NONE	0	0	0	0	0
Range of Fibre Lengths	µm	N/A	NONE	0	0	0	0	0
Range of Fibre Widths	µm	N/A	NONE	0	0	0	0	0

Number of Graticules Counted	Number	N/A	NONE	200	200	200	200	200
Sample Volume on Filter	ml	N/A	NONE	1	1	1	1	1
Total Sample Volume	L	N/A	NONE	0.22	0.02	0.57	0.36	0.28

U/S = Unsuitable Sample I/S = Insufficient Sample



4041



Analytical Report Number : 10142 / 24-002721
Project / Site name: S3240 - Ardrossan North Shore
Your Order No: S3240 - ARDROSSAN NORTH SHORE

Lab Sample Number		115480		
Sample Reference		718940		
Sample Number		EMS 2.6		
Date Sampled		02/02/2024		
End Date Sampled		09/02/2024		
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status	

Asbestos

Asbestos in bulks	Type	N/A	ISO 17025	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	MJN

Number of Fibres Counted (PCOM)	Number	N/A	NONE	0
Range of Fibre Lengths	µm	N/A	NONE	0
Range of Fibre Widths	µm	N/A	NONE	0

Number of Graticules Counted	Number	N/A	NONE	200
Sample Volume on Filter	ml	N/A	NONE	1
Total Sample Volume	L	N/A	NONE	0.26

U/S = Unsuitable Sample I/S = Insufficient Sample



4041



Analytical Report Number : 10142 / 24-002721
Project / Site name: S3240 - Ardrossan North Shore

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos Identification in Bulk	Asbestos Identification in bulk material with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	W	ISO 17025
Asbestos Fibre Counting	Fibre counting in bulk material (filter) with the use light polarised and phase contrast microscopy (PLM/PCM)	Fibre counting based on HSG 248, 2021	A008B	D	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 300C.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.



4041



Environmental Science

Lab Department



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f:
e:

Analytical Report Number : 24-004076 / 10223

Project / Site name: Ardrossan North Shore

Samples received on: 20/02/2024

Your job number: S3240

Samples instructed on/
Analysis started on: 20/02/2024

Your order number: S3240

Analysis completed by: 26/02/2024

Report Issue Number: 1

Report issued on: 26/02/2024

Samples Analysed: 6 bulk samples

Signed:

Technical Reviewer
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at:

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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An estimate of measurement uncertainty can be provided on request.



4041



Environmental Science

Analytical Report Number: 24-004076 /10223

Project / Site name: Ardrossan North Shore

Your Order No: S3240

Lab Sample Number	121644	121645	121646	121647	121648
Sample Reference	723568	723569	723570	723571	723572
Sample Number	EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4	EMS 2.5
Depth (m)	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled	09/02/2024 - 16/02/2024	09/02/2024 - 16/02/2024	09/02/2024 - 16/02/2024	09/02/2024 - 16/02/2024	09/02/2024 - 16/02/2024
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status		

Asbestos

Asbestos in bulks	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	MWI	MWI	MWI	MWI	MWI

Number of Fibres Counted (PCOM)	Number	N/A	ISO 17025	0	0	0	0	1
Range of Fibre Lengths	µm	N/A	NONE	N.D	N.D	N.D	N.D	45
Range of Fibre Widths	µm	N/A	NONE	N.D	N.D	N.D	N.D	1

Number of Graticules Counted	Number	N/A	ISO 17025	200	200	200	200	200
Sample Volume on Filter	ml	N/A	NONE	1	1	1	1	1
Total Sample Volume	L	N/A	NONE	0.2	0.23	0.27	0.53	0.37

U/S = Unsuitable Sample I/S = Insufficient Sample



Analytical Report Number: 24-004076 / 10223
Project / Site name: Ardrossan North Shore
Your Order No: S3240

Lab Sample Number	121649			
Sample Reference	723573			
Sample Number	EMS 2.6			
Depth (m)	None Supplied			
Date Sampled	09/02/2024 - 16/02/2024			
Time Taken	None Supplied			
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status	

Asbestos

Asbestos in bulks	Type	N/A	ISO 17025	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	MWI

Number of Fibres Counted (PCOM)	Number	N/A	ISO 17025	0
Range of Fibre Lengths	µm	N/A	NONE	N.D
Range of Fibre Widths	µm	N/A	NONE	N.D

Number of Graticules Counted	Number	N/A	ISO 17025	200
Sample Volume on Filter	ml	N/A	NONE	1
Total Sample Volume	L	N/A	NONE	0.56

U/S = Unsuitable Sample I/S = Insufficient Sample



Analytical Report Number : 24-004076 / 10223
Project / Site name: S3240 - Ardrossan North Shore

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos Identification in BULKs	Asbestos Identification in bulk material with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	W	ISO 17025
Asbestos Fibre Counting	Fibre counting in bulk material (filter) with the use light polarised and phase contrast microscopy (PLM/PCM)	Fibre counting based on HSG 248, 2021	A006B	D	ISO 17025

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

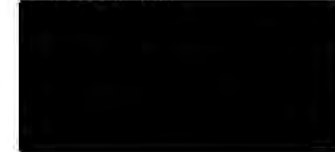


4041



Environmental Science

Labs @ Sanctus



t: -

e: [Redacted]



t: [Redacted]

f: [Redacted]

e: [Redacted]

Analytical Report Number : 10287 / 24-005547

Project / Site name: Ardrossan North Shore

Samples received on: 27/02/2024

Your job number: S3240

Samples instructed on/
Analysis started on: 27/02/2024

Your order number: S3240

Analysis completed by: 05/03/2024

Report Issue Number: 1

Report issued on: 05/03/2024

Samples Analysed: 6 bulk samples

Signed: [Redacted]

Technical Reviewer
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at [Redacted]

Accredited tests are defined within the report; opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.



4041



Environmental Science

Analytical Report Number: 10287 / 24-005547

Project / Site name: Ardrossan North Shore

Your Order No: S3240

Lab Sample Number	128689	128690	128691	128692	128693
Sample Reference	727246	727248	727250	727251	727253
Sample Number	EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4	EMS 2.5
Date Sampled	15/02/2024	15/02/2024	15/02/2024	15/02/2024	15/02/2024
End Date Sampled	22/02/2024	22/02/2024	22/02/2024	22/02/2024	22/02/2024
Analytical Parameter (Bulk Analysis)	Units	Unit of detection	Accreditation Status		

Asbestos

Asbestos in bulks	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	RS	RS	RS	RS	RS
Number of Fibres Counted (PCOM)	Number	N/A	NONE	0	0	0	0	0
Range of Fibre Lengths	µm	N/A	NONE	0	0	0	0	0
Range of Fibre Widths	µm	N/A	NONE	0	0	0	0	0
Number of Graticules Counted	Number	N/A	NONE	200	200	200	200	200
Sample Volume on Filter	ml	N/A	NONE	1	1	1	1	1
Total Sample Volume	L	N/A	NONE	0.2	0.28	1.5	1.2	0.87

U/S = Unsuitable Sample I/S = Insufficient Sample



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Environmental Science

Analytical Report Number: 10287 / 24-005547

Project / Site name: Ardrossan North Shore

Your Order No: 53240

Lab Sample Number	128694			
Sample Reference	727255			
Sample Number	EMS 2.6			
Date Sampled	15/02/2024			
End Date Sampled	22/02/2024			
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status	

Asbestos

Asbestos in bulks	Type	N/A	ISO 17025	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	RS

Number of Fibres Counted (PCOM)	Number	N/A	NONE	0
Range of Fibre Lengths	µm	N/A	NONE	0
Range of Fibre Widths	µm	N/A	NONE	0

Number of Graticules Counted	Number	N/A	NONE	200
Sample Volume on Filter	ml	N/A	NONE	1
Total Sample Volume	L	N/A	NONE	0.76

U/S = Unsuitable Sample I/S = Insufficient Sample



4041



Environmental Science

Analytical Report Number : 10287 / 24-005547

Project / Site name: Ardrossan North Shore

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in BULKs	Asbestos Identification in bulk material with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	W	ISO 17025
Asbestos Fibre Counting	Fibre counting in bulk material (filter) with the use light polarised and phase contrast microscopy (PLM/PCM)	Fibre counting based on HSG 248, 2021	L006B	D	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.



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Environmental Science

Labs @ Sanctus



t: -

e: [Redacted]



t: [Redacted]

f: [Redacted]

e: [Redacted]

Analytical Report Number : 10357 / 24-006652

Project / Site name: Ardrossan North Shore

Samples received on: 05/03/2024

Your job number: S3240

**Samples instructed on/
Analysis started on:** 05/03/2024

Your order number: S3240

Analysis completed by: 08/03/2024

Report Issue Number: 1

Report issued on: 11/03/2024

Samples Analysed: 6 Bulk samples

Signature [Redacted]

Technical Reviewer: [Redacted]

For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: [Redacted]

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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An estimate of measurement uncertainty can be provided on request.



4041



Environmental Science

Analytical Report Number: 10357 / 24-006652

Project / Site name: Ardrossan North Shore

Your Order No: S3240

Lab Sample Number	133854	133855	133856	133857	133858
Sample Reference	730137	730138	730140	730142	730143
Sample Number	EMS2.1	EMS2.2	EMS2.3	EMS2.4	EMS2.5
Depth (m)	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled	22/02/2024	22/02/2024	22/02/2024	22/02/2024	22/02/2024
End date sampled	29/02/2024	29/02/2024	29/02/2024	29/02/2024	29/02/2024
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status		

Asbestos

Asbestos in bulks	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	MLO	MLO	MLO	SCA	SCA

Number of Fibres Counted (PCOM)	Number	N/A	NONE	0	0	0	0	0
Range of Fibre Lengths	µm	N/A	NONE	0	0	0	0	0
Range of Fibre Widths	µm	N/A	NONE	0	0	0	0	0

Number of Graticules Counted	Number	N/A	NONE	200	200	200	200	200
Sample Volume on Filter	ml	N/A	NONE	1	1	1	1	1
Total Sample Volume	L	N/A	NONE	0.28	0.03	0.48	0.39	0.37

U/S = Unsuitable Sample I/S = Insufficient Sample



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Environmental Science

Analytical Report Number: 10357 / 24-006652

Project / Site name: Ardrossan North Shore

Your Order No: S3240

Lab Sample Number	133859			
Sample Reference	730145			
Sample Number	EMS2.6			
Depth (m)	None Supplied			
Date Sampled	22/02/2024			
End date sampled	29/02/2024			
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status	

Asbestos

Asbestos in bulks	Type	N/A	ISO 17025	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	SCA

Number of Fibres Counted (PCOM)	Number	N/A	NONE	0
Range of Fibre Lengths	µm	N/A	NONE	0
Range of Fibre Widths	µm	N/A	NONE	0

Number of Graticules Counted	Number	N/A	NONE	200
Sample Volume on Filter	ml	N/A	NONE	1
Total Sample Volume	L	N/A	NONE	0.71

U/S = Unsuitable Sample I/S = Insufficient Sample



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Environmental Science

Analytical Report Number: 10357 / 24-006652

Project / Site name: Ardrossan North Shore

Your Order No: 53240

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in BULKs	Asbestos identification in bulk material with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	W	ISO 17025
Asbestos Fibre Counting	Fibre counting in bulk material (filter) with the use light polarised and phase contrast microscopy (PLM/PCM)	Fibre counting based on HSG 248, 2021	A008B	D	None

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 300C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

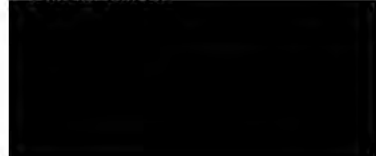


4041



Environmental Science

Labs @ Sanctus



t: -

e: -



t: -

f: -

e: -



Analytical Report Number : 10402 / 24-007751

Project / Site name: Ardrossan North Shore

Samples received on: 08/03/2024

Your job number: S3240

**Samples instructed on/
Analysis started on:** 08/03/2024

Your order number: S3240

Analysis completed by: 14/03/2024

Report Issue Number: 1

Report issued on: 14/03/2024

Samples Analysed: 6 bulk samples

Signed:

Technical Reviewer

For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at:

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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An estimate of measurement uncertainty can be provided on request.



4041



Analytical Report Number: 24-007751
 Project / Site name: S3240 - Ardrossan North Shore
 Your Order No: S3240 - ARDROSSAN NORTH SHORE

Lab Sample Number	138732	138733	138734	138735	138736
Sample Reference	733216	733217	733218	733219	733220
Sample Number	EMS2.1	EMS2.2	EMS2.3	EMS2.4	EMS2.5
Depth (m)	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled	29/02/2024	29/02/2024	29/02/2024	29/02/2024	29/02/2024
End Date Sampled	07/03/2024	07/03/2024	07/03/2024	07/03/2024	07/03/2024
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status		

Asbestos

Asbestos in bulks	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	EC	EC	EC	EC	EC

Number of Fibres Counted (PCOM)	Number	N/A	ISO 17025	I/S	I/S	I/S	I/S	I/S
Range of Fibre Lengths	µm	N/A	NONE	I/S	I/S	I/S	I/S	I/S
Range of Fibre Widths	µm	N/A	NONE	I/S	I/S	I/S	I/S	I/S

Number of Graticules Counted	Number	N/A	ISO 17025	I/S	I/S	I/S	I/S	I/S
Sample Volume on Filter	ml	N/A	NONE	I/S	I/S	I/S	I/S	I/S
Total Sample Volume	L	N/A	NONE	0	0	0	0	0

U/S = Unsuitable Sample I/S = Insufficient Sample



4041



Environmental Science

Analytical Report Number: 24-007751
Project / Site name: S3240 - Ardrossan North Shore
Your Order No: S3240 - ARDROSSAN NORTH SHORE

Lab Sample Number				140832
Sample Reference				733221
Sample Number				EMS2.6
Depth (m)				None Supplied
Date Sampled				29/02/2024
End Date Sampled				07/03/2024
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status	

Asbestos

Asbestos in bulks	Type	N/A	ISO 17025	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	EC

Number of Fibres Counted (PCOM)	Number	N/A	ISO 17025	I/S
Range of Fibre Lengths	µm	N/A	NONE	I/S
Range of Fibre Widths	µm	N/A	NONE	I/S

Number of Graticules Counted	Number	N/A	ISO 17025	I/S
Sample Volume on Filter	ml	N/A	NONE	I/S
Total Sample Volume	L	N/A	NONE	0

U/S = Unsuitable Sample I/S = Insufficient Sample



4041



Environmental Science

Analytical Report Number :10402 / 24-007751
Project / Site name: S3240 - Ardrossan North Shore

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos Identification in Bulks	Asbestos Identification in bulk material with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	W	ISO 17025
Asbestos Fibre Counting	Fibre counting in bulk material (filter) with the use light polarised and phase contrast microscopy (PLH/PCN)	Fibre counting based on HSG 248, 2021	A008B	D	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.



4041



Lab Department



t: -

e: [Redacted]

t: [Redacted]

f: [Redacted]

e: [Redacted]

Analytical Report Number : 24-009742 / 10520

Project / Site name: Ardrossan North Shore

Samples received on: 20/03/2024

Your job number: S3240

**Samples instructed on/
Analysis started on:** 20/03/2024

Your order number: S3240

Analysis completed by: 25/03/2024

Report Issue Number: 1

Report issued on: 27/03/2024

Samples Analysed: 6 bulk samples

Signed: [Redacted]

Technical Reviewer

For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at [Redacted]

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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4041



Environmental Science

Analytical Report Number: 24-009742

Project / Site name: S3240 - Ardrossan North Shore

Your Order No: S3240 - ARDROSSAN NORTH SHORE

Lab Sample Number				148452	148453	148454	148455	148456
Sample Reference				739266	739267	739268	739269	739270
Sample Number				EMS2.1	EMS2.2	EMS2.3	EMS2.4	EMS2.5
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				07/03-14/03/2024	07/03-14/03/2024	07/03-14/03/2024	07/03-14/03/2024	07/03-14/03/2024
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status					

Asbestos

Asbestos in bulks	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	MFD	MFD	MFD	MFD	MFD

Number of Fibres Counted (PCOM)	Number	N/A	NONE	N.D	N.D	N.D	N.D	N.D
Range of Fibre Lengths	µm	N/A	NONE	0	0	0	0	0
Range of Fibre Widths	µm	N/A	NONE	0	0	0	0	0

Number of Graticules Counted	Number	N/A	NONE	200	200	200	200	200
Sample Volume on Filter	ml	N/A	NONE	1	1	1	1	1
Total Sample Volume	L	N/A	NONE	0.35	0.07	0.045	0.45	0.4

U/S = Unsuitable Sample I/S = Insufficient Sample



4041



Environmental Science

Analytical Report Number: 24-009742

Project / Site name: S3240 - Ardrossan North Shore

Your Order No: S3240 - ARDROSSAN NORTH SHORE

Lab Sample Number				148457
Sample Reference				739271
Sample Number				EMS2.6
Depth (m)				None Supplied
Date Sampled				07/03-14/03/2024
Time Taken				None Supplied
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status	

Asbestos

Asbestos in bulks	Type	N/A	ISO 17025	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	MFD

Number of Fibres Counted (PCOM)	Number	N/A	NONE	N.D
Range of Fibre Lengths	µm	N/A	NONE	0
Range of Fibre Widths	µm	N/A	NONE	0

Number of Graticules Counted	Number	N/A	NONE	200
Sample Volume on Filter	ml	N/A	NONE	1
Total Sample Volume	L	N/A	NONE	0.54

U/S = Unsuitable Sample I/S = Insufficient Sample



4041



Environmental Science

Analytical Report Number : 24-009742

Project / Site name: S3240 - Ardrossan North Shore

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos Identification in BULKs	Asbestos Identification in bulk material with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	W	ISO 17025
Asbestos Fibre Counting	Fibre counting in bulk material (filter) with the use light polarised and phase contrast microscopy (PLM/PCM)	Fibre counting based on HSG 248, 2021	A006B	D	ISO 17025

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.



4041



Environmental Science



t: -

e: [REDACTED]



t: [REDACTED]

f: [REDACTED]

e: [REDACTED]

Analytical Report Number : 24-010827 /10552

Project / Site name: Ardrossan North Shore

Samples received on: 26/03/2024

Your job number: S3240

**Samples instructed on/
Analysis started on:** 26/03/2024

Your order number: S3240

Analysis completed by: 04/04/2024

Report Issue Number: 1

Report issued on: 11/04/2024

Samples Analysed: 6 bulk samples

Signed: [REDACTED]

Technical Reviewer

For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: [REDACTED]

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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4041



Environmental Science

Analytical Report Number: 24-010827 / 10552
Project / Site name: 53240 - Ardrossan North Shore
Your Order No: 53240 -

Lab Sample Number	153905			153906	153907	153908
Sample Reference	742261			742262	742263	742264
Sample Number	EMS 2.1			EMS 2.2	EMS 2.3	EMS 2.4
Depth (m)	None Supplied			None Supplied	None Supplied	None Supplied
Date Sampled	14/03/2024 - 21/03/2024			14/03/2024 - 21/03/2024	14/03/2024 - 21/03/2024	14/03/2024 - 21/03/2024
Time Taken	None Supplied			None Supplied	None Supplied	None Supplied
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status			

Asbestos							
Asbestos in bulks	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	SSZ	SSZ	SSZ	DBU
Number of Fibres Counted (PCOM)	Number	N/A	NONE	N.D	N.D	N.D	N.D
Range of Fibre Lengths	µm	N/A	NONE	N.D	N.D	N.D	N.D
Range of Fibre Widths	µm	N/A	NONE	N.D	N.D	N.D	N.D
Number of Graticules Counted	Number	N/A	NONE	200	200	200	200
Sample Volume on Filter	ml	N/A	NONE	1	1	1	1
Total Sample Volume	L	N/A	NONE	1.4	1.4	1.4	1.4

U/S = Unsuitable Sample I/S = Insufficient Sample



4041



Environmental Science

Analytical Report Number: 24-010827 / 10552
Project / Site name: S3240 - Ardrossan North Shore
Your Order No: S3240 -

Lab Sample Number				153909	153910
Sample Reference				742265	742266
Sample Number				EMS 2.5	EMS 2.6
Depth (m)				None Supplied	None Supplied
Date Sampled				14/03/2024 - 21/03/2024	14/03/2024 - 21/03/2024
Time Taken				None Supplied	None Supplied
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status		

Asbestos

Asbestos in bulks	Type	N/A	ISO 17025	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	DBU	DBU

Number of Fibres Counted (PCOM)	Number	N/A	NONE	N.D	N.D
Range of Fibre Lengths	µm	N/A	NONE	N.D	N.D
Range of Fibre Widths	µm	N/A	NONE	N.D	N.D

Number of Graticules Counted	Number	N/A	NONE	200	200
Sample Volume on Filter	ml	N/A	NONE	1	1
Total Sample Volume	L	N/A	NONE	1.4	1.4

U/S = Unsuitable Sample I/S = Insufficient Sample



4041



Environmental Science

Analytical Report Number : 24-010827 /10552
Project / Site name: S3240 - Ardrossan North Shore

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos Identification in BULKs	Asbestos Identification in bulk material with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	W	ISO 17025
Asbestos Fibre Counting	Fibre counting in bulk material (filter) with the use light polarised and phase contrast microscopy (PLM/PCN)	Fibre counting based on HSG 248, 2021	A006B	D	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.



4041



Environmental Science

Lab Department



t: -

e: [Redacted]

t: [Redacted]
f: [Redacted]
e: [Redacted]

Analytical Report Number : 10673 / 24-013089

Project / Site name: Ardrossan North Shore

Samples received on: 09/04/2024

Your job number: S3240

Samples instructed on/
Analysis started on: 09/04/2024

Your order number: S3240

Analysis completed by: 12/04/2024

Report Issue Number: 1

Report issued on: 15/04/2024

Samples Analysed: 6 Bulk samples

Signed [Redacted]

Technical Reviewer

For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at [Redacted]

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.



4041



Environmental Science

Analytical Report Number: 10673 / 24-013089
 Project / Site name: S3240 - Ardrossan North Shore
 Your Order No: S3240 - ARDROSSAN NORTH SHORE

Lab Sample Number	165513	165514	165515	165516	165517
Sample Reference	749228	749229	749230	749231	749232
Sample Number	EMS 2.1	EMS2.2	EMS2.3	EMS2.4	EMS2.5
Depth (m)	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled	21/03/2024 - 04/04/2024	21/03/2024 - 04/04/2024	21/03/2024 - 04/04/2024	21/03/2024 - 04/04/2024	21/03/2024 - 04/04/2024
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status		

Asbestos

Asbestos in bulks	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	DSO	DSO	DSO	DSA	DSA
Number of Fibres Counted (PCOM)	Number	N/A	NONE	2	2	0	1	1
Range of Fibre Lengths	µm	N/A	NONE	10.0-10.0	10.0-40.0	0	25	55
Range of Fibre Widths	µm	N/A	NONE	0.5-0.5	0.5-0.5	0	0.5	0.5
Number of Graticules Counted	Number	N/A	NONE	200	200	200	200	200
Sample Volume on Filter	ml	N/A	NONE	1	1	1	1	1
Total Sample Volume	L	N/A	NONE	2.2	1.3	1.3	0.8	1.2

U/S = Unsuitable Sample I/S = Insufficient Sample



4041



Environmental Science

Analytical Report Number: 10673 / 24-013089
Project / Site name: S3240 - Ardrossan North Shore
Your Order No: S3240 - ARDROSSAN NORTH SHORE

Lab Sample Number	165518			
Sample Reference	749233			
Sample Number	EMS2.6			
Depth (m)	None Supplied			
Date Sampled	21/03/2024 - 04/04/2024			
Time Taken	None Supplied			
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status	

Asbestos

Asbestos in bulks	Type	N/A	ISO 17025	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	DSA

Number of Fibres Counted (PCOM)	Number	N/A	NONE	0
Range of Fibre Lengths	µm	N/A	NONE	0
Range of Fibre Widths	µm	N/A	NONE	0

Number of Graticules Counted	Number	N/A	NONE	200
Sample Volume on Filter	ml	N/A	NONE	1
Total Sample Volume	L	N/A	NONE	1.6

U/S = Unsuitable Sample I/S = Insufficient Sample



4041



Environmental Science

Analytical Report Number : 10673 / 24-013089
Project / Site name: S3240 - Ardrossan North Shore

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos Identification in Bulks (Water)	Asbestos Identification in bulk material (filter) with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Asbestos Fibre Counting (Water)	Fibre counting in water with the use light polarised and phase contrast microscopy (PLM/PCM)	Fibre counting based on HSG 248, 2021	A008B	D	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.



4041



Environmental Science



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Analytical Report Number : 10783 / 24-014119

Project / Site name: Ardrossan North Shore

Samples received on: 16/04/2024

Your job number: S3240

**Samples instructed on/
Analysis started on:** 16/04/2024

Your order number: S3240

Analysis completed by: 22/04/2024

Report Issue Number: 1

Report issued on: 23/04/2024

Samples Analysed: 4 bulk samples

Signed:

Technical Reviewer
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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An estimate of measurement uncertainty can be provided on request.



4041



Environmental Science

Analytical Report Number: 24-014119

Project / Site name: S3240 - Ardrossan North Shore

Your Order No: S3240 - ARDROSSAN NORTH SHORE

Lab Sample Number				170642	170643	170644	170645
Sample Reference				752709	752710	752711	752712
Sample Number				EMS2.1	EMS2.2	EMS2.3	EMS2.4
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				04/04/2024 - 11/04/2024	04/04/2024 - 11/04/2024	04/04/2024 - 11/04/2024	04/04/2024 - 11/04/2024
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Bulk Analysis)				Units	Unit of detection	Accreditation Status	

Asbestos

Asbestos in bulks	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	DBU	DBU	SSZ	SSZ
Number of Fibres Counted (PCOM)	Number	N/A	NONE	0	1	0	0
Range of Fibre Lengths	µm	N/A	NONE	0	35	0	0
Range of Fibre Widths	µm	N/A	NONE	0	0.5	0	0
Number of Graticules Counted	Number	N/A	NONE	200	200	200	200
Sample Volume on Filter	ml	N/A	NONE	1	1	1	1
Total Sample Volume	L	N/A	NONE	2.6	2	2.6	2.7

U/S = Unsuitable Sample I/S = Insufficient Sample



4041



Environmental Science

Analytical Report Number : 10783 / 24-014119
Project / Site name: S3240 - Ardrossan North Shore

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos Identification in Bulks (Water)	Asbestos Identification in bulk material (filter) with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Asbestos Fibre Counting (Water)	Fibre counting in water with the use light polarised and phase contrast microscopy (PLM/PCM)	Fibre counting based on HSG 248, 2021	A006B	D	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.



4041



Environmental Science

Lab Department



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Analytical Report Number : 10861 / 24-015449

Project / Site name: G3240 - Ardrossan North Shore

Samples received on: 23/04/2024

Your job number: SANCTUS LTD

Samples instructed on/
Analysis started on: 23/04/2024

Your order number: G3240 - ARDROSSAN NORTH SHORE

Analysis completed by: 29/04/2024

Report Issue Number: 1

Report issued on: 29/04/2024

Samples Analysed: 4 bulk samples

Signed



Technical Reviewer

For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at:



Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are:

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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An estimate of measurement uncertainty can be provided on request.



4041



Environmental Science

Analytical Report Number: 24-015449

Project / Site name: S3240 - Ardrossan North Shore

Your Order No: S3240 - ARDROSSAN NORTH SHORE

Lab Sample Number	177202	177203	177204	177205
Sample Reference	757017	757018	757019	757020
Sample Number	EMS 2.1	EMS2.2	EMS2.3	EMS2.4
Depth (m)	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled	11/04/2024 - 18/04/2024	11/04/2024 - 18/04/2024	11/04/2024 - 18/04/2024	11/04/2024 - 18/04/2024
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Bulk Analysis)	Units	Unit of detection	Accreditation Status	

Asbestos

Asbestos in bulks	Type	N/A	ISO 17025	Not-detected	Not-detected	Detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	MBI	MBI	MMI	MMI

Actinolite detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected
Amosite detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected
Anthophyllite detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected
Chrysotile detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Detected	Not-detected
Crocidolite detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected
Tremolite detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected

Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	Not-detected	Not-detected	Loose Fibres	Not-detected
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Number of Fibres Counted (PCOM)	Number	N/A	NONE	0	0	0	0
Range of Fibre Lengths	µm	N/A	NONE	0	0	0	0
Range of Fibre Widths	µm	N/A	NONE	0	0	0	0

Number of Graticules Counted	Number	N/A	NONE	200	200	200	200
Sample Volume on Filter	ml	N/A	NONE	1	1	1	1
Total Sample Volume	L	N/A	NONE	1.2	0.95	0.4	0.53

U/S = Unsuitable Sample I/S = Insufficient Sample



4041



Environmental Science

Analytical Report Number : 10861 / 24-015449

Project / Site name: S3240 - Ardrossan North Shore

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos Identification in BULKs (Water)	Asbestos Identification in bulk material (filter) with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Asbestos Fibre Counting (Water)	Fibre counting in water with the use light polarised and phase contrast microscopy (PLM/PCH)	Fibre counting based on HSG 248, 2021	A008B	D	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.



4041



Environmental Science

Lab Department



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e: [Redacted]

t: [Redacted]

f: [Redacted]

e: [Redacted]

Analytical Report Number : 24-016730 / 10951

Project / Site name: Ardrossan North Shore

Samples received on: 30/04/2024

Your job number: S3240

**Samples instructed on/
Analysis started on:** 30/04/2024

Your order number: S3240

Analysis completed by: 07/05/2024

Report Issue Number: 1

Report issued on: 10/05/2024

Samples Analysed: 4 bulk samples

Signed: [Redacted]

Technical Reviewer
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at [Redacted]

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.



4041



Environmental Science

Analytical Report Number: 24-016730 / 10951
Project / Site name: S3240 - Ardrossan North Shore
Your Order No: S3240

Lab Sample Number	183526	183527	183528	183529
Sample Reference	760699	760700	760701	760702
Sample Number	EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4
Depth (m)	None Supplied	None Supplied	None Supplied	None Supplied
Start Date Sampled	18/02/2024	18/02/2024	18/02/2024	18/02/2024
End Date Sampled	25/04/2024	25/04/2024	25/04/2024	25/04/2024
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status	

Asbestos

Asbestos in bulks	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	KSZ	KSZ	SPU	SPU

Number of Fibres Counted (PCOM)	Number	N/A	NONE	0	0	0	0
Range of Fibre Lengths	µm	N/A	NONE	0	0	0	0
Range of Fibre Widths	µm	N/A	NONE	0	0	0	0

Number of Graticules Counted	Number	N/A	NONE	200	200	200	200
Sample Volume on Filter	ml	N/A	NONE	1	1	1	1
Total Sample Volume	L	N/A	NONE	0.61	0.2	0.14	0.25

U/S = Unsuitable Sample I/S = Insufficient Sample



4041



Analytical Report Number : 24-016730

Project / Site name: S3240 - Ardrossan North Shore

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos Identification in Bulks (Water)	Asbestos Identification in bulk material (filter) with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Asbestos Fibre Counting (Water)	Fibre counting in water with the use light polarised and phase contrast microscopy (PLM/PCM)	Fibre counting based on HSG 248, 2021	A00BB	D	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.



4041



Lab Department

t: -

e: [REDACTED]

t: [REDACTED]

f: [REDACTED]

e: [REDACTED]

Analytical Report Number : 24-017876 / 11022

Project / Site name: Ardrossan North Shore

Samples received on: 07/05/2024

Your job number: S3240

**Samples instructed on/
Analysis started on:** 07/05/2024

Your order number: S320

Analysis completed by: 10/05/2024

Report Issue Number: 1

Report issued on: 13/05/2024

Samples Analysed: 4 bulk samples

Signed: [REDACTED]

Technical Reviewer
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: [REDACTED]

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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An estimate of measurement uncertainty can be provided on request.



4041



Analytical Report Number: 24-017876 / 11022
Project / Site name: S3240 - Ardrossan North Shore
Your Order No: S3240

Lab Sample Number	189758	189759	189760	189761
Sample Reference	765237	765238	765239	765240
Sample Number	EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4
Depth (m)	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled	25/04/2024	25/04/2024	25/04/2024	25/04/2024
End Date Sampled	02/05/2024	02/05/2024	02/05/2024	02/05/2024
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status	

Asbestos

Asbestos in bulks	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	DSO	DSO	MWI	MWI

Number of Fibres Counted (PCOM)	Number	N/A	NONE	0	0	0	0
Range of Fibre Lengths	µm	N/A	NONE	0	0	0	0
Range of Fibre Widths	µm	N/A	NONE	0	0	0	0

Number of Graticules Counted	Number	N/A	NONE	200	200	200	200
Sample Volume on Filter	ml	N/A	NONE	1	1	1	1
Total Sample Volume	L	N/A	NONE	0.3	0.2	0.2	0.4

U/S = Unsuitable Sample I/S = Insufficient Sample



4041



Analytical Report Number : 24-017876

Project / Site name: S3240 - Ardrossan North Shore

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos Identification in Bulks (Water)	Asbestos Identification in bulk material (filter) with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Asbestos Fibre Counting (Water)	Fibre counting in water with the use light polarised and phase contrast microscopy (PLM/PCM)	Fibre counting based on HSG 248, 2021	A008B	D	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.



4041



Environmental Science

Lab Department



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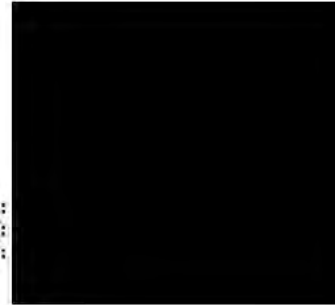
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Analytical Report Number : 11066 / 24-018775

Project / Site name: Ardrossan North Shore

Samples received on: 10/05/2024

Your job number: S3240

Samples instructed on/
Analysis started on: 10/05/2024

Your order number: S3240

Analysis completed by: 23/05/2024

Report Issue Number: 1

Report issued on: 23/05/2024

Samples Analysed: 4 bulk samples

Signature

Technical Reviewer

For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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An estimate of measurement uncertainty can be provided on request.



4041



Analytical Report Number: 24-018775
Project / Site name: S3240 - Ardrossan North Shore
Your Order No: S3240 - ARDROSSAN NORTH SHORE

Lab Sample Number	195177	195178	195179	195180
Sample Reference	767961	767962	767963	767964
Sample Number	EMS2.1	EMS2.2	EMS2.3	EMS2.4
Depth (m)	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled	02/05/2024 - 09/05/2024	02/05/2024 - 09/05/2024	02/05/2024 - 09/05/2024	02/05/2024 - 09/05/2024
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status	

Asbestos

Asbestos in bulks	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	DBU	DBU	EC	EC
Number of Fibres Counted (PCOM)	Number	N/A	NONE	0	0	0	0
Range of Fibre Lengths	µm	N/A	NONE	0	0	0	0
Range of Fibre Widths	µm	N/A	NONE	0	0	0	0
Number of Graticules Counted	Number	N/A	NONE	0	200	200	200
Sample Volume on Filter	ml	N/A	NONE	1	1	1	1
Total Sample Volume	L	N/A	NONE	0.12	0.3	0.2	0.15

U/S = Unsuitable Sample I/S = Insufficient Sample



4041



Environmental Science

Analytical Report Number : 11066 / 24-018775

Project / Site name: S3240 - Ardrossan North Shore

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Bulks (Water)	Asbestos Identification in bulk material (filter) with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Asbestos Fibre Counting (Water)	Fibre counting in water with the use light polarised and phase contrast microscopy (PLM/PCM)	Fibre counting based on HSG 248, 2021	A008B	D	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'P' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.



4041



Environmental Science

Lab Department



t: -

e: -



t: -

f: -

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Analytical Report Number : 11229 / 24-021580

Project / Site name: Ardrossan North Shore

Samples received on: 28/05/2024

Your job number: 53240

Samples instructed on/
Analysis started on: 28/05/2024

Your order number: 53240

Analysis completed by: 04/06/2024

Report Issue Number: 1

Report issued on: 07/06/2024

Samples Analysed: 4 bulk samples

Signed: -



Technical Reviewer
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: -

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

Excel copies of reports are only valid when accompanied by this PDF certificate.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.



4041



Analytical Report Number: 11229 / 24-021580
Project / Site name: S3240 - Ardrossan North Shore
Your Order No: S3240 - ARDROSSAN NORTH SHOR

Lab Sample Number	209880	209881	209882	209883
Sample Reference	777841	777842	777843	777844
Sample Number	EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4
Depth (m)	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled	16/05/2024 - 23/05/2024	16/05/2024 - 23/05/2024	16/05/2024 - 23/05/2024	16/05/2024 - 23/05/2024
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status	

Asbestos							
Asbestos in bulks	Type	H/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	H/A	H/A	H/A	-	-	-	-
Number of Fibres Counted (PCOM)	Number	H/A	NONE	0	0	0	0
Range of Fibre Lengths	µm	H/A	NONE	0	0	0	0
Range of Fibre Widths	µm	H/A	NONE	0	0	0	0
Number of Graticules Counted	Number	H/A	NONE	200	200	200	200
Sample Volume on Filter	ml	H/A	NONE	1	1	1	1
Total Sample Volume	L	H/A	NONE	0.64	0.8	0.001	0.3

U/S = Unsuitable Sample I/S = Insufficient Sample



4041



Environmental Science

Analytical Report Number: 11229 / 24-021580
Project / Site Name: SB240 - Ardrossan North Shore

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Total Solids	Determined gravimetrically following filtration	In-house method	L004B	W	NONE
Asbestos Identification in BULK (Water)	Asbestos Identification in bulk material (filter) with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Asbestos Fibre Counting (Water)	Fibre counting in water with the use of light polarised and phase contrast microscopy (PLM/PCM)	Fibre counting based on HSG 248, 2021	A008B	D	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.



4041



Environmental Science

Labs @ Sanctus



t: -
f: -
e: -



Analytical Report Number : 8891 / 23-61176

Project / Site name: Ardrossan North Shore

Samples received on: 09/10/2023

Your job number: S3240

Samples instructed on/
Analysis started on: 09/10/2023

Your order number: S3240

Analysis completed by: 19/10/2023

Report Issue Number: 1

Report issued on: 20/10/2023

Samples Analysed: 6 bulk samples

Signed: 

Technical Reviewer

For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: 

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.



4041



Environmental Science

Analytical Report Number : 8891 / 23-61176

Project / Site name: Ardrossan North Shore

Lab Sample Number	2837959				2837960	2837961	2837962	2837963
Sample Reference	657327				657328	657329	657330	657331
Sample Number	2.1				2.2	2.3	2.4	2.5
Depth (m)	None Supplied				None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled	27/09/2023				27/09/2023	27/09/2023	27/09/2023	27/09/2023
End Date Sampled	05/10/2023				05/10/2023	05/10/2023	05/10/2023	05/10/2023
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status					
Asbestos Identification	Type	I/A	ISO 17025	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Asbestos Analyst ID	I/A	I/A	I/A	SPU	SPU	SPU	MLO	MLO
Number of Fibres Counted (PCOM)	Number	I/A	NONE	0	0	0	0	0
Range of Fibre Lengths	µm	I/A	NONE	0	0	0	0	0
Range of Fibre Widths	µm	I/A	NONE	0	0	0	0	0
Number of Graticules Counted	Number	I/A	NONE	200	200	200	200	200
Sample Volume on Filter	ml	I/A	NONE	1	1	1	1	1
Total Sample Volume	L	I/A	NONE	0.23	0.6	0.05	0.9	1.2

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



4041



Environmental Science

Analytical Report Number : 8891 / 23-61176

Project / Site name: Ardrossan North Shore

Lab Sample Number	2837964			
Sample Reference	657332			
Sample Number	2.6			
Depth (m)	None Supplied			
Date Sampled	27/09/2023			
End Date Sampled	05/10/2023			
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status	

Asbestos Identification	Type	N/A	ISO 17025	Amosite- Loose
Asbestos Analyst ID	N/A	N/A	N/A	Fibres
				MLO

Number of Fibres Counted (PCOM)	Number	N/A	NONE	0
Range of Fibre Lengths	µm	N/A	NONE	0
Range of Fibre Widths	µm	N/A	NONE	0

Number of Graticules Counted	Number	N/A	NONE	200
Sample Volume on Filter	ml	N/A	NONE	1
Total Sample Volume	L	N/A	NONE	1.2

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



4041



Environmental Science

Analytical Report Number : 8891 / 23-61176

Project / Site name: Ardrossan North Shore

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos Identification in Bulk	Asbestos Identification in bulk material with the use of polarised light microscopy in conjunction with dispersion staining techniques.	In house method based on HSG 248	A001-PL	W	ISO 17025
Asbestos Fibre Counting	Fibre counting in waters	Fibre counting based on HSG 248	A006	W	NONE

For method numbers ending in 'UK or A' analysis have been carried out in our laboratory in the United Kingdom (WATFORD).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL or B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.



4041



Environmental Science

Lab @ Sanctus



t: -
f: -
e: -



t: -
f: -
e: -

Analytical Report Number : 9017 / 23-63665

Project / Site name: Ardrossan North Shore

Samples received on: 20/10/2023

Your job number: S3240

**Samples instructed on/
Analysis started on:** 20/10/2023

Your order number: S3240

Analysis completed by: 25/10/2023

Report Issue Number: 1

Report issued on: 26/10/2023

Samples Analysed: 6 bulk samples

Signed:



Technical Reviewer

For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: [Redacted]

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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An estimate of measurement uncertainty can be provided on request.



4041



Environmental Science

Analytical Report Number: 9017 / 23-63665
Project / Site name: Ardrossan North Shore

Lab Sample Number	2851272 *					2851273	2851274	2851275	2851276
Sample Reference	664351					664352	664353	664354	664355
Sample Number	EMS2.1					EMS2.2	EMS2.3	EMS2.4	EMS2.5
Depth (m)	None Supplied					None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled	05/10/2023					05/10/2023	05/10/2023	05/10/2023	05/10/2023
End Date Sampled	13/10/2023					13/10/2023	13/10/2023	13/10/2023	13/10/2023
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status						
Asbestos Identification	Type	H/A	ISO 17025	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Asbestos Analyst ID	H/A	H/A	H/A	MW1	MW1	MW1	MW1	MW1	MW1
Number of Fibres Counted (PCOM)	Number	H/A	NONE	I/S	0	0	0	0	0
Range of Fibre Lengths	µm	H/A	NONE	I/S	0	0	0	0	0
Range of Fibre Widths	µm	H/A	NONE	I/S	0	0	0	0	0
Number of Graticules Counted	Number	H/A	NONE	I/S	200	200	200	200	200
Sample Volume on Filter	ml	H/A	NONE	I/S	1	1	1	1	1
Total Sample Volume	L	H/A	NONE	0	0.001	0.048	0.19	0.2	0.2

* - Insufficient sample for asbestos analysis as there was no water in the tub to undertake the analysis.
U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



4041



Environmental Science

Analytical Report Number: 9017 / 23-63665

Project / Site name: Ardrossan North Shore

Lab Sample Number	2851277			
Sample Reference	664356			
Sample Number	EMS2.6			
Depth (m)	None Supplied			
Date Sampled	05/10/2023			
End Date Sampled	13/10/2023			
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status	

Asbestos Identification	Type	I/A	ISO 17025	No Asbestos Detected
Asbestos Analyst ID	I/A	I/A	I/A	MWI

Number of Fibres Counted (PCOM)	Number	I/A	NONE	0
Range of Fibre Lengths	µm	I/A	NONE	0
Range of Fibre Widths	µm	I/A	NONE	0

Number of Graticules Counted	Number	I/A	NONE	200
Sample Volume on Filter	ml	I/A	NONE	1
Total Sample Volume	L	I/A	NONE	0.21

* - Insufficient sample for asbestos analysis as there was no water in the tub to undertake the

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



4041



Environmental Science

Analytical Report Number: 9017 / 23-63665

Project / Site name: Ardrossan North Shore

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos Identification in Bulks	Asbestos Identification in bulk material with the use of polarised light microscopy in conjunction with dispersion staining techniques.	In house method based on HSG 248	A001-PL	W	ISO 17025
Asbestos Fibre Counting	Fibre counting in waters	Fibre counting based on HSG 248	A006	W	NONE

For method numbers ending in 'UK or A' analysis have been carried out in our laboratory in the United Kingdom (WATFORD).

For method numbers ending in 'P' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL or B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.



4041



Environmental Science

Lab @ Sanctus

t: -
f: -
e: -

t: -
f: -
e: -

Analytical Report Number : 9059 / 23-64184

Project / Site name: Ardrossan North Shore

Samples received on: 23/10/2023

Your job number: S3240

**Samples instructed on/
Analysis started on:** 23/10/2023

Your order number: S3240

Analysis completed by: 27/10/2023

Report Issue Number: 1

Report issued on: 30/10/2023

Samples Analysed: 6 bulk samples

Signed:

Technical Reviewer

For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at:

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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Any assessment of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.



4041



Environmental Science

Analytical Report Number : 9059 / 23-64184
Project / Site name: Ardrossan North Shore

Lab Sample Number	2853826	2853827	2853828	2853829	2853830
Sample Reference	665151	665152	665153	665154	665155
Sample Number	ems2.1	ems2.2	ems2.3	ems2.4	ems2.5
Depth (m)	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled	13/10/2023	13/10/2023	13/10/2023	13/10/2023	13/10/2023
End Date Sampled	20/10/2023	20/10/2023	20/10/2023	20/10/2023	20/10/2023
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status		
Asbestos Identification	Type	I/A	ISO 17025	No Asbestos Detected	No Asbestos Detected
Asbestos Analyst ID	I/A	I/A	I/A	MLO	MLO
Number of Fibres Counted (PCOM)	Number	I/A	NONE	0	0
Range of Fibre Lengths	µm	I/A	NONE	0	0
Range of Fibre Widths	µm	I/A	NONE	0	0
Number of Graticules Counted	Number	I/A	NONE	200	200
Sample Volume on Filter	ml	I/A	NONE	1	1
Total Sample Volume	L	I/A	NONE	0.12	0.34

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



4041



Environmental Science

Analytical Report Number : 9059 / 23-64184

Project / Site name: Ardrossan North Shore

Lab Sample Number	2853831			
Sample Reference	665156			
Sample Number	ems2.6			
Depth (m)	None Supplied			
Date Sampled	13/10/2023			
End Date Sampled	20/10/2023			
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status	

Asbestos Identification	Type	I/A	ISO 17025	No Asbestos Detected
Asbestos Analyst ID	I/A	I/A	I/A	KSZ

Number of Fibres Counted (PCOM)	Number	I/A	NOIE	0
Range of Fibre Lengths	µm	I/A	NOIE	0
Range of Fibre Widths	µm	I/A	NOIE	0

Number of Graticules Counted	Number	I/A	NOIE	200
Sample Volume on Filter	ml	I/A	NOIE	1
Total Sample Volume	L	I/A	NOIE	0.32

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



4041



Environmental Science

Analytical Report Number : 9059 / 23-64184
Project / Site name: Ardrossan North Shore

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos Identification in BULKs	Asbestos Identification in bulk material with the use of polarised light microscopy in conjunction with dispersion staining techniques.	In house method based on HSG 248	A001-PL	W	ISO 17025
Asbestos Fibre Counting	Fibre counting in waters	Fibre counting based on HSG 248	A006	W	NONE

For method numbers ending in 'UK or A' analysis have been carried out in our laboratory in the United Kingdom (WATFORD).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL or B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The Instructed on date indicates the date on which this information was provided to the laboratory.



4041



Environmental Science

Lab @ Sanctus

t: -
f: -
e: -

t: -
f: -
e: -

Analytical Report Number : 9215 / 23-67071

Project / Site name: Ardrossan North Shore

Samples received on: 07/11/2023

Your job number: S3240

Samples instructed on/
Analysis started on: 07/11/2023

Your order number: -

Analysis completed by: 16/11/2023

Report Issue Number: 1

Report issued on: 16/11/2023

Samples Analysed: 6 bulk samples

Signed: [Redacted]

Technical Reviewer
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: [Redacted]

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.



4041



Environmental Science

Analytical Report Number : 9215 / 23-67071
Project / Site name: Ardrossan North Shore

Lab Sample Number	2869149	2869150	2869151	2869152	2869153
Sample Reference	672931	672932	672933	672934	672935
Sample Number	EMS2.1	EMS2.2	EMS2.3	EMS2.4	EMS2.5
Depth (m)	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled	30/10/2023	30/10/2023	30/10/2023	30/10/2023	30/10/2023
End Date Sampled	03/11/2023	03/11/2023	03/11/2023	03/11/2023	03/11/2023
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status		
Asbestos Identification	Type	N/A	ISO 17025	No Asbestos Detected	No Asbestos Detected
Asbestos Analyst ID	N/A	N/A	N/A	SPU	SPU
Number of Fibres Counted (PCOM)	Number	N/A	NONE	0	0
Range of Fibre Lengths	µm	N/A	NONE	0	0
Range of Fibre Widths	µm	N/A	NONE	0	0
Number of Graticules Counted	Number	N/A	NONE	200	200
Sample Volume on Filter	ml	N/A	NONE	1	1
Total Sample Volume	L	N/A	NONE	0.32	0.2

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



4041



Analytical Report Number : 9215 / 23-67071
Project / Site name: Ardrossan North Shore

Lab Sample Number		2869154		
Sample Reference		672936		
Sample Number		EMS2.6		
Depth (m)		None Supplied		
Date Sampled		30/10/2023		
End Date Sampled		03/11/2023		
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status	
Asbestos Identification	Type	N/A	ISO 17025	No Asbestos Detected
Asbestos Analyst ID	N/A	N/A	N/A	MWI
Number of Fibres Counted (PCOM)	Number	N/A	NONE	0
Range of Fibre Lengths	µm	N/A	NONE	0
Range of Fibre Widths	µm	N/A	NONE	0
Number of Graticules Counted	Number	N/A	NONE	200
Sample Volume on Filter	ml	N/A	NONE	1
Total Sample Volume	L	N/A	NONE	0.24

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



4041



Environmental Science

Analytical Report Number : 9215 / 23-67071

Project / Site name: Ardrossan North Shore

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos Identification in BULKs	Asbestos Identification in bulk material with the use of polarised light microscopy in conjunction with dispersion staining techniques.	In house method based on HSG 248.	A001-PL	W	ISO 17025
Asbestos Fibre Counting	Fibre counting in waters	Fibre counting based on HSG 248	A006	W	NONE

For method numbers ending in 'UK or A' analysis have been carried out in our laboratory in the United Kingdom (WATFORD).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL or B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.



4041



Environmental Science

Labs @ Sanctus



t: -
f: -
e: -



Analytical Report Number : 9322 / 23-68403

Project / Site name: Ardrossan North Shore

Samples received on: 14/11/2023

Your job number: S3240

**Samples instructed on/
Analysis started on:** 14/11/2023

Your order number: S3240

Analysis completed by: 23/11/2023

Report Issue Number: 1

Report issued on: 23/11/2023

Samples Analysed: 6 bulk samples

Signed:



Technical Reviewer
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at:



Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.



4041



Environmental Science

Analytical Report Number: 9322 / 23-68403
Project / Site name: Ardrossan North Shore

Lab Sample Number	2876250				2876251	2876252	2876253	2876254
Sample Reference	676119				676120	676121	676122	676123
Sample Number	2.1				2.2	2.3	2.4	2.5
Depth (m)	None Supplied				None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled	03/11/2023				03/11/2023	03/11/2023	03/11/2023	03/11/2023
End Date Sampled	10/11/2023				10/11/2023	10/11/2023	10/11/2023	10/11/2023
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status					
Asbestos Identification	Type	N/A	ISO 17025	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Asbestos Analyst ID	N/A	N/A	N/A	SPU	SPU	SPU	MLO	MLO
Number of Fibres Counted (PCOM)	Number	N/A	NONE	0	0	0	0	0
Range of Fibre Lengths	µm	N/A	NONE	0	0	0	0	0
Range of Fibre Widths	µm	N/A	NONE	0	0	0	0	0
Number of Graticules Counted	Number	N/A	NONE	200	200	200	200	200
Sample Volume on Filter	ml	N/A	NONE	1	1	1	1	1
Total Sample Volume	L	N/A	NONE	0.05	0.23	0.05	0.23	0.35

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



4041



Environmental Science

Analytical Report Number: 9322 / 23-68403

Project / Site name: Ardrossan North Shore

Lab Sample Number	2876255			
Sample Reference	676124			
Sample Number	2.6			
Depth (m)	None Supplied			
Date Sampled	03/11/2023			
End Date Sampled	10/11/2023			
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status	

Asbestos Identification	Type	I/A	ISO 17025	No Asbestos Detected
Asbestos Analyst ID	I/A	I/A	I/A	MLO

Number of Fibres Counted (PCOM)	Number	I/A	NONE	0
Range of Fibre Lengths	µm	I/A	NONE	0
Range of Fibre Widths	µm	I/A	NONE	0

Number of Graticules Counted	Number	I/A	NONE	200
Sample Volume on Filter	ml	I/A	NONE	1
Total Sample Volume	L	I/A	NONE	0.15

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



4041



Environmental Science

Analytical Report Number : 9322 / 23-68403

Project / Site name: Ardrossan North Shore.

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos Identification in BULKs	Asbestos Identification in bulk material with the use of polarised light microscopy in conjunction with dispersion staining techniques.	In house method based on HSG 248	A001-PL	W	ISO 17025
Asbestos Fibre Counting	Fibre counting in waters	Fibre counting based on HSG 248	A006	W	NONE

For method numbers ending in 'UK or A' analysis have been carried out in our laboratory in the United Kingdom (WATFORD).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL or D' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The Instructed on date indicates the date on which this information was provided to the laboratory.



4041



Environmental Science

Lab @ Sanctus



t: -
f: -
e: -



t: -
f: -
e: -

Analytical Report Number : 9388 / 23-69870

Project / Site name: Ardrossan North Shore

Samples received on: 21/11/2023

Your job number: S3240

**Samples instructed on/
Analysis started on:** 21/11/2023

Your order number: S3240

Analysis completed by: 24/11/2023

Report Issue Number: 1

Report issued on: 27/11/2023

Samples Analysed: 6 bulk samples

Signed:



**Technical Reviewer
For & on behalf of i2 Analytical Ltd.**

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at



Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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An estimate of measurement uncertainty can be provided on request.



4041



Environmental Science

Analytical Report Number : 9388 / 23-69870

Project / Site name: Ardrossan North Shore

Lab Sample Number	2883947	2883948	2883949	2883950	2883951
Sample Reference	679928	679929	679930	679931	679932
Sample Number	EMS2.1	EMS2.2	EMS2.3	EMS2.4	EMS2.5
Depth (m)	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled	10/11/2023	10/11/2023	10/11/2023	10/11/2023	10/11/2023
End Date Sampled	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status		
Asbestos Identification	Type	N/A	ISO 17025	No Asbestos Detected	No Asbestos Detected
Asbestos Analyst ID	N/A	N/A	N/A	MJN	MJN
Number of Fibres Counted (PCOM)	Number	N/A	NONE	0	0
Range of Fibre Lengths	µm	N/A	NONE	0	0
Range of Fibre Widths	µm	N/A	NONE	0	0
Number of Graticules Counted	Number	N/A	NONE	200	200
Sample Volume on Filter	ml	N/A	NONE	1	1
Total Sample Volume	L	N/A	NONE	0.53	0.39

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



4041



Analytical Report Number : 9388 / 23-69870
Project / Site name: Ardrossan North Shore

Lab Sample Number	2883952			
Sample Reference	679933			
Sample Number	EMS2.6			
Depth (m)	None Supplied			
Date Sampled	10/11/2023			
End Date Sampled	17/11/2023			
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status	

Asbestos Identification	Type	I/A	ISO 17025	No Asbestos Detected
Asbestos Analyst ID	N/A	N/A	N/A	MJN

Number of Fibres Counted (PCOM)	Number	N/A	NONE	0
Range of Fibre Lengths	µm	N/A	NONE	0
Range of Fibre Widths	µm	N/A	NONE	0

Number of Graticules Counted	Number	N/A	NONE	200
Sample Volume on Filter	ml	N/A	NONE	1
Total Sample Volume	L	N/A	NONE	1.2

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



4041



Analytical Report Number : 9388 / 23-69870
Project / Site name: Ardrossan North Shore

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in BULKs	Asbestos Identification in bulk material with the use of polarised light microscopy in conjunction with dispersion staining techniques.	In house method based on HSG 248	A001-PL	W	ISO 17025
Asbestos Fibre Counting	Fibre counting in waters	Fibre counting based on HSG 248	A005	W	NO/E

For method numbers ending in 'UK or A' analysis have been carried out in our laboratory in the United Kingdom (WATFORD).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL or B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.



4041



Labs @ Sanctus



t: -
f:
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t:
f:
e:

Analytical Report Number : 9476 / 23-71709

Project / Site name: Ardrossan North Shore

Samples received on: 29/11/2023

Your job number: S3240

Samples instructed on/
Analysis started on: 29/11/2023

Your order number: S3240

Analysis completed by: 04/12/2023

Report Issue Number: 1

Report issued on: 05/12/2023

Samples Analysed: 6 bulk samples

Signed:

Technical Reviewer
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at:

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soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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4041



Environmental Science

Analytical Report Number: 9476 / 23-71709
Project / Site name: Ardrossan North Shore

Lab Sample Number	2893245	2893246	2893247	2893248	2893249
Sample Reference	684193	684194	684195	684196	684197
Sample Number	EMS2.1	EMS2.2	EMS2.3	EMS2.4	EMS2.5
Depth (m)	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled	17/11/2023	10/11/2023	17/11/2023	17/11/2023	17/11/2023
End Date Sampled	23/11/2023	17/11/2023	23/11/2023	23/11/2023	23/11/2023
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status		
Asbestos Identification	Type	I/A	ISO 17025	No Asbestos Detected	No Asbestos Detected
Asbestos Analyst ID	I/A	I/A	I/A	SCA	SCA
Number of Fibres Counted (PCOM)	Number	I/A	NONE	0	0
Range of Fibre Lengths	µm	I/A	NONE	0	0
Range of Fibre Widths	µm	I/A	NONE	0	0
Number of Graticules Counted	Number	I/A	NONE	200	200
Sample Volume on Filter	ml	I/A	NONE	1	1
Total Sample Volume	L	I/A	NONE	0.16	0.03

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



4041



Environmental Science

Analytical Report Number: 9476 / 23-71709
Project / Site name: Ardrossan North Shore

Lab Sample Number	2893250			
Sample Reference	684198			
Sample Number	EMS2.6			
Depth (m)	None Supplied			
Date Sampled	17/11/2023			
End Date Sampled	23/11/2023			
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status	

Asbestos Identification	Type	N/A	ISO 17025	No Asbestos Detected
Asbestos Analyst ID	N/A	N/A	N/A	SCA

Number of Fibres Counted (PCOM)	Number	N/A	NONE	0
Range of Fibre Lengths	µm	N/A	NONE	0
Range of Fibre Widths	µm	N/A	NONE	0

Number of Graticules Counted	Number	N/A	NONE	200
Sample Volume on Filter	ml	N/A	NONE	1
Total Sample Volume	L	N/A	NONE	0.05

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



4041



Environmental Science

Analytical Report Number : 9476 / 23-71709

Project / Site name: Ardrossan North Shore

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos Identification in Bulks	Asbestos Identification in bulk material with the use of polarised light microscopy in conjunction with dispersion staining techniques.	In house method based on HSG 248	A001-PL	W	ISO 17025
Asbestos Fibre Counting	Fibre counting in waters	Fibre counting based on HSG 248	A006	W	None

For method numbers ending in 'UK or A' analysis have been carried out in our laboratory in the United Kingdom (WATFORD).

For method numbers ending in 'P' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL or B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.



4041



t: ~
f:
e:



Analytical Report Number : 9526 / 23-72909

Project / Site name: Ardrossan North Shore

Samples received on: 05/12/2023

Your job number: S3240

**Samples instructed on/
Analysis started on:** 05/12/2023

Your order number: S3240

Analysis completed by: 08/12/2023

Report Issue Number: 1

Report issued on: 08/12/2023

Samples Analysed: 6 bulk samples

Signature

Technical Reviewer
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at:

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Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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4041



Environmental Science

Analytical Report Number : 9526 / 23-72909
Project / Site name: Ardrossan North Shore

Lab Sample Number	2899693				2899694	2899695	2899696	2899697
Sample Reference	687210				687211	687212	687213	687214
Sample Number	EMS2.1				EMS2.2	EMS2.3	EMS2.4	EMS2.5
Depth (m)	None Supplied				None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled	24/11/2023				24/11/2023	24/11/2023	24/11/2023	24/11/2023
End Date Sampled	01/12/2023				01/12/2023	01/12/2023	01/12/2023	01/12/2023
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status					
Asbestos Identification	Type	N/A	ISO 17025	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Asbestos Analyst ID	N/A	N/A	N/A	SCA	SCA	SCA	SCA	SCA
Number of Fibres Counted (PCOM)	Number	N/A	NONE	0	0	0	0	0
Range of Fibre Lengths	µm	N/A	NONE	0	0	0	0	0
Range of Fibre Widths	µm	N/A	NONE	0	0	0	0	0
Number of Graticules Counted	Number	N/A	NONE	200	200	200	200	200
Sample Volume on Filter	ml	N/A	NONE	1	1	1	1	1
Total Sample Volume	L	N/A	NONE	0.02	0.1	0.01	0.15	0.08

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



4041



Environmental Science

Analytical Report Number : 9526 / 23-72909

Project / Site name: Ardrossan North Shore

Lab Sample Number	2899698			
Sample Reference	687215			
Sample Number	EMS2.6			
Depth (m)	None Supplied			
Date Sampled	24/11/2023			
End Date Sampled	01/12/2023			
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status	

Asbestos Identification	Type	N/A	ISO 17025	No Asbestos Detected
Asbestos Analyst ID	N/A	N/A	N/A	SCA

Number of Fibres Counted (PCOM)	Number	N/A	NONE	0
Range of Fibre Lengths	µm	N/A	NONE	0
Range of Fibre Widths	µm	N/A	NONE	0

Number of Graticules Counted	Number	N/A	NONE	200
Sample Volume on Filter	ml	N/A	NONE	1
Total Sample Volume	L	N/A	NONE	0.17

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



Analytical Report Number : 9526 / 23-72909
Project / Site name: Ardrossan North Shore

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in BULKs	Asbestos Identification in bulk material with the use of polarised light microscopy in conjunction with dispersion staining techniques.	In house method based on HSG 248	A001-PL	W	ISO 17025
Asbestos Fibre Counting	Fibre counting in waters	Fibre counting based on HSG 248	A006	W	NONE

For method numbers ending in 'UK or A' analysis have been carried out in our laboratory in the United Kingdom (WATFORD).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL or B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
9897-3

REGISTERED
DATE
23/01/2024

RECEIVED
DATE
23/01/2024

ANALYSIS
STARTED
23/01/2024

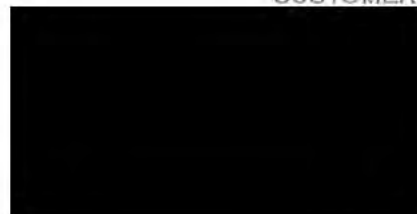
ANALYSIS
COMPLETE
21/02/2024

Replaces certificate of analysis 9897-2

LABORATORY



CUSTOMER



CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 12/01/2024

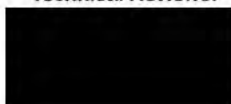
END DATE SAMPLED 19/01/2024
PO NUMBER S3240

Matrix: Water

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	708044 EMS 2.1	708045 EMS 2.2	708046 EMS 2.3	708047 EMS 2.4
Asbestos	T309	0.0	None	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	< 35.29	37.1	< 35.29	< 35.29
Total Solids (mass)	T487	10.0 mg	None	< 10.0	10.5	< 10.0	< 10.0
Total Solids (volume)	T487	0.001 l	None	0.005	~ 0.001	0.090	0.140

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	708048 EMS 2.5	708049 EMS 2.6
Asbestos	T309	0.0	None	Saved In Online Documentation	Saved In Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	< 35.29	< 35.29
Total Solids (mass)	T487	10.0 mg	None	< 10.0	< 10.0
Total Solids (volume)	T487	0.001 l	None	0.090	0.015

Technical Reviewer Role



Senior Customer Service Advisor
Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T309	Transfer - PCOM	708044, 708045, 708046, 708047, 708048, 708049
T487	L004B-Grav	708044, 708045, 708046, 708047, 708048, 708049

Testing Location	Samples
All analysis was carried out at i2	708044, 708045, 708046, 708047, 708048, 708049

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.

This is a simplified test report

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Results in black are positive/detected results. Results in gray are below the LOD or have not been found.

LOD = Limit of Determination. This is the lowest reportable limit of the test.

The multi-sample report reference takes the form of [job number] [version number].

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
10520-1

REGISTERED
DATE
20/03/2024

RECEIVED
DATE
20/03/2024

ANALYSIS
STARTED
20/03/2024

ANALYSIS
COMPLETE
27/03/2024

LABORATORY

CUSTOMER

CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 07/03/2024

END DATE SAMPLED 14/03/2024
PO NUMBER S3240

Matrix: Water

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	739266	739267	739268	739269
				EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4
Asbestos	T309	0.0	None	Refer to Additional Report	Refer to Additional Report	Refer to Additional Report	Refer to Additional Report
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	161	219	99.2	46.6
Total Solids (mass)	T487	10.0 mg	None	45.7	62.1	28.1	13.2
Total Solids (volume)	T487	0.001 l	None	0.350	0.070	0.045	0.450

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	739270	739271
				EMS 2.5	EMS 2.6
Asbestos	T309	0.0	None	Refer to Additional Report	Refer to Additional Report
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	42.0	56.1
Total Solids (mass)	T487	10.0 mg	None	11.9	15.9
Total Solids (volume)	T487	0.001 l	None	0.400	0.540

Technical Reviewer

Role

Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T309	Transfer - PCOM	739266, 739267, 739268, 739269, 739270, 739271
T487	LOC4B-Grav	739266, 739267, 739268, 739269, 739270, 739271

Testing Location	Samples
All analysis was carried out at [REDACTED]	739266, 739267, 739268, 739269, 739270, 739271

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

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LOD = Limit of Determination. This is the lowest reportable limit of the test.
The multi-sample report reference takes the form of [job number]-[version number].

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
2023-20-14-14:14:33

REGISTERED
DATE
09/10/2023

RECEIVED
DATE
09/10/2023

ANALYSIS
STARTED
10/10/2023

ANALYSIS
COMPLETE
20/10/2023

LABORATORY



CUSTOMER



CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 27/09/2023

END DATE SAMPLED 05/10/2023
PO NUMBER S3240

Matrix: Water

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	657327 EMS 2.1	657328 EMS 2.2	657329 EMS 2.3	657330 EMS 2.4
Asbestos	T309	0.0	None	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	361	35.8	46.0	355
Total Solids (mass)	T487	10.0 mg	None	117	11.6	14.9	115
Total Solids (volume)	T487	0.001 l	None	0.230	0.600	0.050	0.000

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	657331 EMS 2.5	657332 EMS 2.6
Asbestos	T309	0.0	None	Saved In Online Documentation	Saved In Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	58.1	451
Total Solids (mass)	T487	10.0 mg	None	18.8	146
Total Solids (volume)	T487	0.001 l	None	1.960	1.990

Technical Reviewer Role



Senior Customer Service Advisor
Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T309	Transfer - PCOM	657327, 657328, 657329, 657330, 657331, 657332
T487	L004B-Grav	657327, 657328, 657329, 657330, 657331, 657332

Testing Location	Samples
All analysis was carried out at	657327, 657328, 657329, 657330, 657331, 657332

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would

provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.
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LOD = Limit of Determination. This is the lowest reportable limit of the test.

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
2023-26-14-14:14:52

REGISTERED
DATE
20/10/2023

RECEIVED
DATE
20/10/2023

ANALYSIS
STARTED
24/10/2023

ANALYSIS
COMPLETE
26/10/2023

LABORATORY



CUSTOMER



CLIENT CODE S2340
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 05/10/2023

END DATE SAMPLED 13/10/2023
PO NUMBER S2340

Matrix: Water

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	664351	664352	664353	664354
				EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4
Asbestos	T309	0.0	None	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	2670	185	125	164
Total Solids (mass)	T487	10.0 mg	None	866	59.8	40.5	53.0
Total Solids (volume)	T487	0.001 l	None	< 0.001	< 0.001	0.048	0.100

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	664355	664356
				EMS 2.5	EMS 2.6
Asbestos	T309	0.0	None	Saved In Online Documentation	Saved In Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	103	111
Total Solids (mass)	T487	10.0 mg	None	33.5	35.9
Total Solids (volume)	T487	0.001 l	None	0.200	0.210

Technical Reviewer Role
Senior Customer Service Advisor
Media Preparation and Technical Support

Extra Testing Information

Technique Code	Technique Name	Samples
T309	Transfer - PCOM	664351, 664352, 664353, 664354, 664355, 664356
T487	L004B-Grav	664351, 664352, 664353, 664354, 664355, 664356

Testing Location	Samples
All analysis was carried out at i2 Analytical (	664351, 664352, 664353, 664354, 664355, 664356

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

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LOD = Limit of Determination. This is the lowest reportable limit of the test.

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
2023-30-53-12:53:53

REGISTERED
DATE
23/10/2023

RECEIVED
DATE
23/10/2023

ANALYSIS
STARTED
24/10/2023

ANALYSIS
COMPLETE
30/10/2023

LABORATORY



CUSTOMER



CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 13/10/2023

END DATE SAMPLED 20/10/2023
PO NUMBER S3240

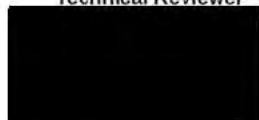
Matrix: Water

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	665151 EMS2.1	665152 EMS2.2	665153 EMS2.3	665154 EMS2.4
Asbestos	T309	0.0	None	Saved in Online Documentation	Saved in Online Documentation	Saved in Online Documentation	Saved in Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	< 35.3	< 35.3	< 35.3	< 35.3
Total Solids (mass)	T487	10.0 mg	None	< 10.0	< 10.0	< 10.0	< 10.0
Total Solids (volume)	T487	0.001 l	None	0.120	0.340	0.100	0.275

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	665155 EMS2.5	665156 EMS2.6
Asbestos	T309	0.0	None	Saved in Online Documentation	Saved in Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	< 35.3	< 35.3
Total Solids (mass)	T487	10.0 mg	None	< 10.0	< 10.0
Total Solids (volume)	T487	0.001 l	None	0.500	0.320

Technical Reviewer

Role



Senior Customer Service Advisor
Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T309	Transfer - PCOM	665151, 665152, 665153, 665154, 665155, 665156
T487	L004B-Grav	665151, 665152, 665153, 665154, 665155, 665156

Samples
All analysis was carried out at i2 Analytical [Redacted] 665151, 665152, 665153, 665154, 665155, 665156

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would

provide a range within which the true result lies. An estimate of measurement of uncertainty can be provided on request.
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LOD = Limit of Determination. This is the lowest reportable limit of the test.

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
2023-07-29-08:29:54

REGISTERED
DATE
30/10/2023

RECEIVED
DATE
30/10/2023

ANALYSIS
STARTED
31/10/2023

ANALYSIS
COMPLETE
07/11/2023

LABORATORY



CUSTOMER



CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 20/10/2023

END DATE SAMPLED 27/10/2023
PO NUMBER S3240

Matrix: Water

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	668870	668880	668881	668882
				EMS2.1	EMS2.2	EMS2.3	EMS2.4
Asbestos	T309	0.0	None	Refer to Additional Report	Refer to Additional Report	Refer to Additional Report	Refer to Additional Report
Rate of Dust Deposition	T487	0.0 mg/m ² /day	None	< 35.29	< 35.29	< 35.29	< 35.29
Total Solids (mass)	T487	10.0 mg	None	< 10.0	< 10.0	< 10.0	< 10.0
Total Solids (volume)	T487	0.001 l	None	0.450	0.190	0.410	0.210

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	668883	668884
				EMS2.5	EMS2.6
Asbestos	T309	0.0	None	Refer to Additional Report	Refer to Additional Report
Rate of Dust Deposition	T487	0.0 mg/m ² /day	None	< 35.29	44.8
Total Solids (mass)	T487	10.0 mg	None	< 10.0	12.8
Total Solids (volume)	T487	0.001 l	None	0.210	0.380

Technical Reviewer Role



Media Preparation and Technical Support
Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T309	Transfer - PCOM	668879, 668880, 668881, 668882, 668883, 668884
T487	L004B-Grav	668879, 668880, 668881, 668882, 668883, 668884

Testing Location	Samples
All analysis was carried out at i2 Analytical	668879, 668880, 668881, 668882, 668883, 668884

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would

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LOD = Limit of Determination. This is the lowest reportable limit of the test.

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
2023-17-14-11:14:51

REGISTERED
DATE
20/10/2023

RECEIVED
DATE
07/11/2023

ANALYSIS
STARTED
09/11/2023

ANALYSIS
COMPLETE
17/11/2023

LABORATORY

CUSTOMER

CLIENT CODE

S3240

DATE SAMPLED (DD/MM/YY)

13/10/2023

CLIENT SITE

Ardrossan North Shore

SAMPLING TIME (MIN)

7200

Matrix: Tenax TD Tube

Determinand	Technique	LOD	Accreditation	i2 Sample Number	664319	664321	664322	664325
				Pre Printed Barcode	736847	749719	749712	749766
				Sample Reference	EMS2.1	EMS2.2	EMS2.3	EMS2.4
Number of significant peaks	T352	0.0	None	N.D.	N.D.	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	N.D.	N.D.	N.D.	N.D.	N.D.
VOC TIC1 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹

Determinand	Technique	LOD	Accreditation	i2 Sample Number	664326	664329
				Pre Printed Barcode	749777	780667
				Sample Reference	EMS2.5	EMS2.6
Number of significant peaks	T352	0.0	None	N.D.	N.D.	N.D.
Total VOC (excluding Targets)	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0
Total VOC (excluding Targets) mg/m3	T352	0.0 mg/m3	None	N.D.	N.D.	N.D.
VOC TIC1 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0
VOC TIC1 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹
VOC TIC10 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0
VOC TIC10 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹
VOC TIC2 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0
VOC TIC2 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹
VOC TIC3 Quant	T352	10.0 ng	None	< 10.0	< 10.0	< 10.0
VOC TIC3 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹	< 0.0032 ¹⁰¹

				i2 Sample Number	664326	664329
				Pre Printed Barcode	749777	780667
				Sample Reference	EMS2.5	EMS2.6
Determinand	Technique	LOD	Accreditation			
VOC TIC4 Quant	T352	10.0 ng	None	< 10.0	< 10.0	
VOC TIC4 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ⁴⁸³	< 0.0032 ⁴⁸³	
VOC TIC5 Quant	T352	10.0 ng	None	< 10.0	< 10.0	
VOC TIC5 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ⁴⁸³	< 0.0032 ⁴⁸³	
VOC TIC6 Quant	T352	10.0 ng	None	< 10.0	< 10.0	
VOC TIC6 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ⁴⁸³	< 0.0032 ⁴⁸³	
VOC TIC7 Quant	T352	10.0 ng	None	< 10.0	< 10.0	
VOC TIC7 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ⁴⁸³	< 0.0032 ⁴⁸³	
VOC TIC8 Quant	T352	10.0 ng	None	< 10.0	< 10.0	
VOC TIC8 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ⁴⁸³	< 0.0032 ⁴⁸³	
VOC TIC9 Quant	T352	10.0 ng	None	< 10.0	< 10.0	
VOC TIC9 Quant mg/m3	T352	0.0 mg/m3	None	< 0.0032 ⁴⁸³	< 0.0032 ⁴⁸³	

Technical Reviewer Role

Senior Customer Service Advisor

Extra Testing Information

Technique Code	Technique Name	Samples
T352	AIR02-1-GCMS-TD	664319, 664321, 664322, 664325, 664326, 664329

Testing Location	Samples
All analysis was carried out at i2 Analytical	664319, 664321, 664322, 664325, 664326, 664329

The mg/m3 result for the following compounds has been calculated using the passive uptake rate of Toluene

Total VOC (excluding Targets)

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Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

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483 - Uptake rate used to calculate mg/m3 is based on Toluene

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
2023-16-20-11:20:37

REGISTERED
DATE
07/11/2023

RECEIVED
DATE
07/11/2023

ANALYSIS
STARTED
09/11/2023

ANALYSIS
COMPLETE
16/11/2023

LABORATORY

CUSTOMER

CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 30/10/2023

END DATE SAMPLED 03/11/2023
PO NUMBER S3240

Matrix: Water

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	672931 EMS2.1	672932 EMS2.2	672933 EMS2.3	672934 EMS2.4
Asbestos	T309	0.0	None	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	< 61.75	< 61.75	1190	< 61.75
Total Solids (mass)	T487	10.0 mg	None	< 10.0	< 10.0	193	< 10.0
Total Solids (volume)	T487	0.001 l	None	0.320	0.220	1.050	0.720

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	672935 EMS2.5	672936 EMS2.6
Asbestos	T309	0.0	None	Saved In Online Documentation	Saved In Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	< 61.75	62.4
Total Solids (mass)	T487	10.0 mg	None	< 10.0	10.1
Total Solids (volume)	T487	0.001 l	None	0.200	0.240

Technical Reviewer Role

Customer Service Manager
Senior Customer Service Advisor

Extra Testing Information

Technique Code	Technique Name	Samples
T309	Transfer - PCOM	672931, 672932, 672933, 672934, 672935, 672936
T487	L004B-Grav	672931, 672932, 672933, 672934, 672935, 672936

Testing Location	Samples
All analysis was carried out at i2 Analytical (	672931, 672932, 672933, 672934, 672935, 672936

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LOD = Limit of Determination, This is the lowest reportable limit of the test.

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
2023-23-40-14:40:53

REGISTERED
DATE
14/11/2023

RECEIVED
DATE
14/11/2023

ANALYSIS
STARTED
14/11/2023

ANALYSIS
COMPLETE
23/11/2023

LABORATORY

CUSTOMER

CLIENT CODE
CLIENT SITE
DATE SAMPLED (DD/MM/YY)

S3240
Ardrossan North Shore
03/11/2023

END DATE SAMPLED
PO NUMBER

10/11/2023
S3240

Matrix: Water

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	676119 EMS 2.1	676120 EMS 2.2	676121 EMS 2.3	676122 EMS 2.4
Asbestos	T309	0.0	None	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	< 35.29	< 35.29	< 35.29	< 35.29
Total Solids (mass)	T487	10.0 mg	None	< 10.0	< 10.0	< 10.0	< 10.0
Total Solids (volume)	T487	0.001 l	None	0.050	0.230	0.050	0.230

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	676123 EMS 2.5	676124 EMS 2.6
Asbestos	T309	0.0	None	Saved In Online Documentation	Saved In Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	< 35.29	< 35.29
Total Solids (mass)	T487	10.0 mg	None	< 10.0	< 10.0
Total Solids (volume)	T487	0.001 l	None	0.350	0.150

Technical Reviewer Role

Senior Customer Service Advisor
Media Preparation and Technical Support

Extra Testing Information

Technique Code	Technique Name	Samples
T309	Transfer - PCDM	676119, 676120, 676121, 676122, 676123, 676124
T487	L004B-Grav	676119, 676120, 676121, 676122, 676123, 676124

Testing Location	Samples
All analysis was carried out at i2 Analytical	676119, 676120, 676121, 676122, 676123, 676124

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Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.
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LOD = Limit of Determination. This is the lowest reportable limit of the test.

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
2023-27-13-12:13:16

REGISTERED
DATE
21/11/2023

RECEIVED
DATE
21/11/2023

ANALYSIS
STARTED
22/11/2023

ANALYSIS
COMPLETE
27/11/2023

LABORATORY

CUSTOMER

CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 10/11/2023

END DATE SAMPLED 17/11/2023
PO NUMBER S3240

Matrix: Water

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	679928 EMS 2.1	679929 EMS 2.2	679930 EMS 2.3	679931 EMS 2.4
Asbestos	T309	0.0	None	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	< 35.3	< 35.3	< 35.3	< 35.3
Total Solids (mass)	T487	10.0 mg	None	< 10.0	< 10.0	< 10.0	< 10.0
Total Solids (volume)	T487	0.001 l	None	0.530	0.390	1.000	0.940

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	679932 EMS 2.5	679933 EMS 2.6
Asbestos	T309	0.0	None	Saved In Online Documentation	Saved In Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	< 35.3	< 35.3
Total Solids (mass)	T487	10.0 mg	None	< 10.0	< 10.0
Total Solids (volume)	T487	0.001 l	None	0.730	1.200

Technical Reviewer Role
Senior Customer Service Advisor
Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T309	Transfer - PCOM	679928, 679929, 679930, 679931, 679932, 679933
T487	L004B-Grav	679928, 679929, 679930, 679931, 679932, 679933

Testing Location	Samples
All analysis was carried out at i2 Analytical	679928, 679929, 679930, 679931, 679932, 679933

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LOD = Limit of Determination. This is the lowest reportable limit of the test.

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
9476-1

REGISTERED
DATE
29/11/2023

RECEIVED
DATE
29/11/2023

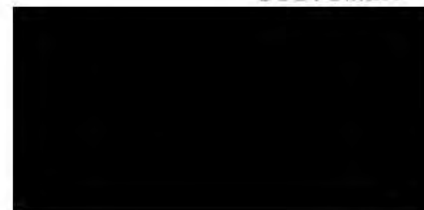
ANALYSIS
STARTED
29/11/2023

ANALYSIS
COMPLETE
05/12/2023

LABORATORY



CUSTOMER



CLIENT CODE

S3240

PO NUMBER

S3240

CLIENT SITE

Ardrossan North Shore

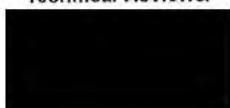
Matrix: Water

Determinand	Technique	LOD	Accreditation	i2 Sample Number	684193	684194	684195	684196
				Date Sampled (DD/MM/YY)	17/11/2023	10/11/2023	17/11/2023	17/11/2023
				End Date Sampled	23/11/2023	17/11/2023	23/11/2023	23/11/2023
				Sample Reference	EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4
					Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation
Asbestos	T309	0.0	None					
Rate of Dust Deposition	T487	0.0 mg/m2/day	None		54.3	40.9	45.3	55.4
Total Solids (mass)	T487	10.0 mg	None		13.2	11.6	11.0	13.7
Total Solids (volume)	T487	0.001 l	None		0.160	0.030	0.310	0.080

Determinand	Technique	LOD	Accreditation	i2 Sample Number	684197	684198
				Date Sampled (DD/MM/YY)	17/11/2023	17/11/2023
				End Date Sampled	23/11/2023	23/11/2023
				Sample Reference	EMS 2.5	EMS 2.6
					Saved In Online Documentation	Saved In Online Documentation
Asbestos	T309	0.0	None			
Rate of Dust Deposition	T487	0.0 mg/m2/day	None		59.3	53.1
Total Solids (mass)	T487	10.0 mg	None		14.4	12.9
Total Solids (volume)	T487	0.001 l	None		0.030	0.050

Technical Reviewer

Role



Senior Customer Service Advisor

Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T309	Transfer - PCOM	684193, 684194, 684195, 684196, 684197, 684198
T487	L004B-Grav	684193, 684194, 684195, 684196, 684197, 684198

Testing Location	Samples
All analysis was carried out at i2	684193, 684194, 684195, 684196, 684197, 684198

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Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

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LOD = Limit of Determination. This is the lowest reportable limit of the test.

The multi-sample report reference takes the form of [job number]-[version number].

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
9526-1

REGISTERED
DATE
05/12/2023

RECEIVED
DATE
05/12/2023

ANALYSIS
STARTED
06/12/2023

ANALYSIS
COMPLETE
11/12/2023

LABORATORY

CUSTOMER

CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 24/11/2023

END DATE SAMPLED 01/12/2023
PO NUMBER S3240

Matrix: Water

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	687210 EMS2.1	687211 EMS2.2	687212 EMS2.3	687213 EMS2.4
Asbestos	T309	0.0	None	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	< 35.29	< 35.29	< 35.29	< 35.29
Total Solids (mass)	T487	10.0 mg	None	< 10.0	< 10.0	< 10.0	< 10.0
Total Solids (volume)	T487	0.001 l	None	0.020	0.100	0.010	0.150

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	687214 EMS2.5	687215 EMS2.6
Asbestos	T309	0.0	None	Saved In Online Documentation	Saved In Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	< 35.29	< 35.29
Total Solids (mass)	T487	10.0 mg	None	< 10.0	< 10.0
Total Solids (volume)	T487	0.001 l	None	0.080	0.170

Technical Reviewer Role

Senior Customer Service Advisor
Media Preparation and Technical Support

Extra Testing Information

Technique Code	Technique Name	Samples
T309	Transfer - PCDM	687210, 687211, 687212, 687213, 687214, 687215
T487	L004B-Grav	687210, 687211, 687212, 687213, 687214, 687215

Testing Location	Samples
All analysis was carried out at i2 Analytical (	687210, 687211, 687212, 687213, 687214, 687215

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

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The multi-sample report reference takes the form of [job number]-[version number].

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
9618-1

REGISTERED
DATE
13/12/2023

RECEIVED
DATE
13/12/2023

ANALYSIS
STARTED
14/12/2023

ANALYSIS
COMPLETE
08/01/2024

LABORATORY

CUSTOMER

CLIENT CODE
CLIENT SITE
DATE SAMPLED (DD/MM/YY)

S3240

Ardrossan North Shore

01/12/2023

END DATE SAMPLED
PO NUMBER

08/12/2023

S3240

Matrix: Water

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	691604	691605	691606	691607
				EMS2.1	EMS2.2	EMS2.3	EMS2.4
Asbestos	T309	0.0	None	Refer to Additional Report	Refer to Additional Report	Refer to Additional Report	Refer to Additional Report
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	48.0	< 35.29	120	< 35.29
Total Solids (mass)	T487	10.0 mg	None	13.6	< 10.0	34.0	< 10.0
Total Solids (volume)	T487	0.001 l	None	0.100	0.020	0.360	0.380

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	691608	691609
				EMS2.5	EMS2.6
Asbestos	T309	0.0	None	Refer to Additional Report	Refer to Additional Report
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	< 35.29	< 35.29
Total Solids (mass)	T487	10.0 mg	None	< 10.0	< 10.0
Total Solids (volume)	T487	0.001 l	None	0.830	0.870

Technical Reviewer

Role

Customer Service Manager

Senior Customer Service Advisor

Extra Testing Information

Technique Code	Technique Name	Samples
T309	Transfer - PCOM	691604, 691605, 691606, 691607, 691608, 691609
T487	L004B-Grav	691604, 691605, 691606, 691607, 691608, 691609

Testing Location	Samples
All analysis was carried out at i2 Analytical	691604, 691605, 691606, 691607, 691608, 691609

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The multi-sample report reference takes the form of {job number}-{version number}.

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
9699-1

REGISTERED
DATE
20/12/2023

RECEIVED
DATE
20/12/2023

ANALYSIS
STARTED
20/12/2023

ANALYSIS
COMPLETE
09/01/2024

LABORATORY

CUSTOMER

CLIENT CODE
CLIENT SITE
DATE SAMPLED (DD/MM/YY)

S3240
Ardrossan North Shore
11/12/2023

END DATE SAMPLED
PO NUMBER

14/12/2023
S3240

Matrix: Water

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	694671 EMS2.1	694672 EMS2.2	694673 EMS2.3	694674 EMS2.4
Asbestos	T309	0.0	None	Refer to Additional Report	Refer to Additional Report	Refer to Additional Report	Refer to Additional Report
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	119	< 82.33	< 82.33	< 82.33
Total Solids (mass)	T487	10.0 mg	None	14.5	< 10.0	< 10.0	< 10.0
Total Solids (volume)	T487	0.001 l	None	< 0.001	0.080	0.030	0.070

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	694675 EMS2.5	694676 EMS2.6
Asbestos	T309	0.0	None	Refer to Additional Report	Refer to Additional Report
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	< 82.33	< 82.33
Total Solids (mass)	T487	10.0 mg	None	< 10.0	< 10.0
Total Solids (volume)	T487	0.001 l	None	0.075	< 0.091

Technical Reviewer Role

Customer Service Manager
Media Preparation and Technical Support

Extra Testing Information

Technique Code	Technique Name	Samples
T309	Transfer - PCOM	694671, 694672, 694673, 694674, 694675, 694676
T487	L004B-Grav	694671, 694672, 694673, 694674, 694675, 694676

Testing Location	Samples
All analysis was carried out at i2 Analytical	694671, 694672, 694673, 694674, 694675, 694676

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Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

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The multi-sample report reference takes the form of [job number]-[version number].

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
9803-1

REGISTERED
DATE
15/01/2024

RECEIVED
DATE
15/01/2024

ANALYSIS
STARTED
16/01/2024

ANALYSIS
COMPLETE
29/01/2024

LABORATORY



CUSTOMER



CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 05/01/2024

END DATE SAMPLED 12/01/2024
PO NUMBER S3240

Matrix: Water

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	704079 EMS 2.1	704080 EMS 2.2	704081 EMS 2.3	704082 EMS 2.4
				Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation
Asbestos	T309	0.0	None				
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	< 35.29	< 35.29	< 35.29	< 35.29
Total Solids (mass)	T487	10.0 mg	None	< 10.0	< 10.0	< 10.0	< 10.0
Total Solids (volume)	T487	0.001 l	None	0.022	< 0.001	0.071	0.010

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	704083 EMS 2.5	704084 EMS 2.6
				Saved In Online Documentation	Saved In Online Documentation
Asbestos	T309	0.0	None		
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	< 35.29	< 35.29
Total Solids (mass)	T487	10.0 mg	None	< 10.0	< 10.0
Total Solids (volume)	T487	0.001 l	None	< 0.001	< 0.001

Technical Reviewer Role



Customer Service Manager
Senior Customer Service Advisor

Extra Testing Information

Technique Code	Technique Name	Samples
T309	Transfer - PCOM	704079, 704080, 704081, 704082, 704083, 704084
T487	L004B-Grav	704079, 704080, 704081, 704082, 704083, 704084

Testing Location	Samples
All analysis was carried out at i2 Analytical	704079, 704080, 704081, 704082, 704083, 704084

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Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

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CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
10016-1

REGISTERED
DATE
30/01/2024

RECEIVED
DATE
30/01/2024

ANALYSIS
STARTED
01/02/2024

ANALYSIS
COMPLETE
06/02/2024

LABORATORY

CUSTOMER

CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 19/01/2024

END DATE SAMPLED 26/01/2024
PO NUMBER S3240

Matrix: Water

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	712046 EMS2.1	712047 EMS2.2	712048 EMS2.3	712049 EMS2.4
Asbestos	T309	0.0	None	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	< 35.29	< 35.29	< 35.29	< 35.29
Total Solids (mass)	T487	10.0 mg	None	< 10.0	< 10.0	< 10.0	< 10.0
Total Solids (volume)	T487	0.001 l	None	< 0.001	< 0.001	< 0.001	< 0.001

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	712050 EMS2.5	712051 EMS2.6
Asbestos	T309	0.0	None	Saved In Online Documentation	Saved In Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	< 35.29	< 35.29
Total Solids (mass)	T487	10.0 mg	None	< 10.0	< 10.0
Total Solids (volume)	T487	0.001 l	None	< 0.001	< 0.001

Technical Reviewer Role

Senior Customer Service Advisor
Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T309	Transfer - PCOM	712046, 712047, 712048, 712049, 712050, 712051
T487	L004B-Grav	712046, 712047, 712048, 712049, 712050, 712051

Testing Location	Samples
All analysis was carried out at i2 Analytical (	712046, 712047, 712048, 712049, 712050, 712051

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Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

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LOD = Limit of Determination. This is the lowest reportable limit of the test.

The multi-sample report reference takes the form of [job number]-[version number].

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
10108-1

REGISTERED
DATE
09/02/2024

RECEIVED
DATE
09/02/2024

ANALYSIS
STARTED
09/02/2024

ANALYSIS
COMPLETE
15/02/2024

LABORATORY

CUSTOMER

CLIENT CODE
S3240

CLIENT SITE
Ardrossan North Shore

DATE SAMPLED (DD/MM/YY)
26/01/2024

END DATE SAMPLED
02/02/2024

PO NUMBER
S3240

Matrix: Water

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	717985 EMS 2.1	717986 EMS 2.2	717987 EMS 2.3	717988 EMS 2.4
Asbestos	T309	0.0	None	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	44.1	104	197	99.2
Total Solids (mass)	T487	10.0 mg	None	12.5	29.5	55.9	28.1
Total Solids (volume)	T487	0.001 l	None	0.140	0.340	0.260	< 0.001

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	717989 EMS 2.5	717990 EMS 2.6
Asbestos	T309	0.0	None	Saved In Online Documentation	Saved In Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	< 35.29	< 35.29
Total Solids (mass)	T487	10.0 mg	None	< 10.0	< 10.0
Total Solids (volume)	T487	0.001 l	None	0.310	0.200

Technical Reviewer

Role

Senior Customer Service Advisor

Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T309	Transfer - PCOM	717985, 717986, 717987, 717988, 717989, 717990
T487	L004B-Grav	717985, 717986, 717987, 717988, 717989, 717990

Testing Location	Samples
All analysis was carried out at i2 Analytical (	717985, 717986, 717987, 717988, 717989, 717990

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LOD = Limit of Determination. This is the lowest reportable limit of the test.
The multi-sample report reference takes the form of [job number]-[version number].

CERTIFICATE OF ANALYSIS



MULTI-SAMPLE
REPORT REFERENCE
10142-1

REGISTERED
DATE
12/02/2024

RECEIVED
DATE
13/02/2024

ANALYSIS
STARTED
13/02/2024

ANALYSIS
COMPLETE
19/02/2024

LABORATORY

CUSTOMER

CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 02/02/2024

END DATE SAMPLED 09/02/2024
PO NUMBER S3240

Matrix: Water

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	718935 EMS 2.1	718936 EMS 2.2	718937 EMS 2.3	718938 EMS 2.4
Asbestos	T309	0.0	None	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	< 35.29	< 35.29	< 35.29	< 35.29
Total Solids (mass)	T487	10.0 mg	None	< 10.0	< 10.0	< 10.0	< 10.0
Total Solids (volume)	T487	0.001 l	None	0.220	0.020	0.570	0.360

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	718939 EMS 2.5	718940 EMS 2.6
Asbestos	T309	0.0	None	Saved In Online Documentation	Saved In Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	< 35.29	< 35.29
Total Solids (mass)	T487	10.0 mg	None	< 10.0	< 10.0
Total Solids (volume)	T487	0.001 l	None	0.280	0.260

Technical Reviewer Role

Senior Customer Service Advisor
Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T309	Transfer - PCOM	718935, 718936, 718937, 718938, 718939, 718940
T487	L004B-Grav	718935, 718936, 718937, 718938, 718939, 718940

Testing Location	Samples
All analysis was carried out at i2 Analytical	718935, 718936, 718937, 718938, 718939, 718940

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LOD = Limit of Determination. This is the lowest reportable limit of the test.
The multi-sample report reference takes the form of [job number]-[version number].

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
10223-1

REGISTERED
DATE
20/02/2024

RECEIVED
DATE
20/02/2024

ANALYSIS
STARTED
20/02/2024

ANALYSIS
COMPLETE
26/02/2024

LABORATORY

CUSTOMER

CLIENT CODE
CLIENT SITE
DATE SAMPLED (DD/MM/YY)

S3240
Ardrossan North Shore
09/02/2024

END DATE SAMPLED
PO NUMBER

16/02/2024
S3240

Matrix: Water

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	723568 EMS 2.1	723569 EMS 2.2	723570 EMS 2.3	723571 EMS 2.4
Asbestos	T309	0.0	None	Refer to Additional Report	Refer to Additional Report	Refer to Additional Report	Refer to Additional Report
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	54.7	< 35.29	< 35.29	67.8
Total Solids (mass)	T487	10.0 mg	None	15.5	< 10.0	< 10.0	19.2
Total Solids (volume)	T487	0.001 l	None	0.200	0.230	0.270	0.530

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	723572 EMS 2.5	723573 EMS 2.6
Asbestos	T309	0.0	None	Refer to Additional Report	Refer to Additional Report
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	74.5	45.9
Total Solids (mass)	T487	10.0 mg	None	21.1	13.0
Total Solids (volume)	T487	0.001 l	None	0.370	0.360

Technical Reviewer Role

Customer Service Manager
Media Preparation and Technical Support

Extra Testing Information

Technique Code	Technique Name	Samples
T309	Transfer - PCOM	723568, 723569, 723570, 723571, 723572, 723573
T487	L004B-Grav	723568, 723569, 723570, 723571, 723572, 723573

Testing Location	Samples
All analysis was carried out at i2 Analytical	723568, 723569, 723570, 723571, 723572, 723573

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

Note: All assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would

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This is a simplified test report
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Results in black are positive/detected results. Results in gray are below the LOD or have not been found.
LOD = Limit of Determination. This is the lowest reportable limit of the test.
The multi-sample report reference takes the form of [job number]-[version number].

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
10287-1

REGISTERED
DATE
27/02/2024

RECEIVED
DATE
27/02/2024

ANALYSIS
STARTED
27/02/2024

ANALYSIS
COMPLETE
05/03/2024

LABORATORY

CUSTOMER

CLIENT CODE
CLIENT SITE
DATE SAMPLED (DD/MM/YY)

S3240
Ardrossan North Shore
15/02/2024

END DATE SAMPLED
PO NUMBER

22/02/2024
S3240

Matrix: Water

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	727246	727248	727250	727251
				EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4
Asbestos	T309	0.0	None	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	< 35.29	< 35.29	< 35.29	< 35.29
Total Solids (mass)	T487	10.0 mg	None	< 10.0	< 10.0	< 10.0	< 10.0
Total Solids (volume)	T487	0.001 l	None	0.200	0.280	1.520	1.170

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	727253	727255
				EMS 2.5	EMS 2.6
Asbestos	T309	0.0	None	Saved In Online Documentation	Saved In Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	< 35.29	< 35.29
Total Solids (mass)	T487	10.0 mg	None	< 10.0	< 10.0
Total Solids (volume)	T487	0.001 l	None	0.870	0.760

Technical Reviewer Role

Senior Customer Service Advisor
Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T309	Transfer - PCOM	727246, 727248, 727250, 727251, 727253, 727255
T487	L004B-Grav	727246, 727248, 727250, 727251, 727253, 727255

Testing Location	Samples
All analysis was carried out at i2 Analytical	727246, 727248, 727250, 727251, 727253, 727255

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Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.
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LOD = Limit of Determination. This is the lowest reportable limit of the test.

The multi-sample report reference takes the form of {job number}-{version number}.

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
10402-1

REGISTERED
DATE
08/03/2024

RECEIVED
DATE
08/03/2024

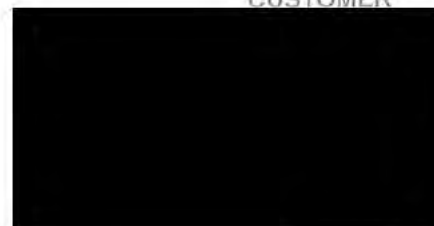
ANALYSIS
STARTED
08/03/2024

ANALYSIS
COMPLETE
14/03/2024

LABORATORY



CUSTOMER



CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 29/02/2024

END DATE SAMPLED 07/03/2024
PO NUMBER S3240

Matrix: Water

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	733216 EMS2.1	733217 EMS2.2	733218 EMS2.3	733219 EMS2.4
Asbestos	T309	0.0	None	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	< 35.29	< 35.29	< 35.29	< 35.29
Total Solids (mass)	T487	10.0 mg	None	< 10.0	< 10.0	< 10.0	< 10.0
Total Solids (volume)	T487	0.001 l	None	< 0.001	< 0.001	< 0.001	< 0.001

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	733220 EMS2.5	733221 EMS2.6
Asbestos	T309	0.0	None	Saved In Online Documentation	Saved In Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	< 35.29	< 35.29
Total Solids (mass)	T487	10.0 mg	None	< 10.0	< 10.0
Total Solids (volume)	T487	0.001 l	None	< 0.001	< 0.001

Technical Reviewer Role



Senior Customer Service Advisor
Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T309	Transfer - PCOM	733216, 733217, 733218, 733219, 733220, 733221
T487	L004B-Gray	733216, 733217, 733218, 733219, 733220, 733221

Testing Location	Samples
All analysis was carried out at i2 Analytical	733216, 733217, 733218, 733219, 733220, 733221

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LOD = Limit of Determination. This is the lowest reportable limit of the test.
The multi-sample report reference takes the form of [job number]-[version number].

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
10552-1

REGISTERED
DATE
26/03/2024

RECEIVED
DATE
26/03/2024

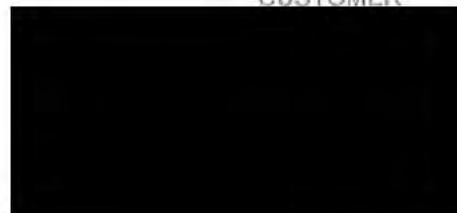
ANALYSIS
STARTED
26/03/2024

ANALYSIS
COMPLETE
11/04/2024

LABORATORY



CUSTOMER



CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 14/03/2024

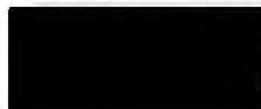
END DATE SAMPLED 21/03/2024
PO NUMBER S3240

Matrix: Water

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	742261 EMS 2.1	742262 EMS 2.2	742263 EMS 2.3	742264 EMS 2.4
Asbestos	T309	0.0	None	Refer to Additional Report	Refer to Additional Report	Refer to Additional Report	Refer to Additional Report
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	120	46.6	< 35.29	< 35.29
Total Solids (mass)	T487	10.0 mg	None	33.9	13.2	< 10.0	< 10.0
Total Solids (volume)	T487	0.001 l	None	1.050	< 0.001	1.700	1.600

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	742265 EMS 2.5	742266 EMS 2.6
Asbestos	T309	0.0	None	Refer to Additional Report	Refer to Additional Report
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	68.5	< 35.29
Total Solids (mass)	T487	10.0 mg	None	19.4	< 10.0
Total Solids (volume)	T487	0.001 l	None	1.750	0.070

Technical Reviewer Role



Senior Customer Service Advisor
Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T309	Transfer - PCOM	742261, 742262, 742263, 742264, 742265, 742266
T487	L004B-Grav	742261, 742262, 742263, 742264, 742265, 742266

Testing Location	Samples
All analysis was carried out at i2 Analytical	742261, 742262, 742263, 742264, 742265, 742266

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The multi-sample report reference takes the form of [job number]-[version number].

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
10673-1

REGISTERED
DATE
09/04/2024

RECEIVED
DATE
09/04/2024

ANALYSIS
STARTED
10/04/2024

ANALYSIS
COMPLETE
15/04/2024

LABORATORY

CUSTOMER

CLIENT CODE
CLIENT SITE
DATE SAMPLED (DD/MM/YY)

S3240
Ardrossan North Shore
21/03/2024

END DATE SAMPLED
PO NUMBER

04/04/2024
S3240

Matrix: Water

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	749228	749229	749230	749231
				EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4
Asbestos	T309	0.0	None	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	80.5	113	70.4	98.5
Total Solids (mass)	T487	10.0 mg	None	45.6	64.0	39.9	55.8
Total Solids (volume)	T487	0.001 l	None	2.240	1.270	1.290	0.800

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	749232	749233
				EMS 2.5	EMS 2.6
Asbestos	T309	0.0	None	Saved In Online Documentation	Saved In Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	99.7	79.6
Total Solids (mass)	T487	10.0 mg	None	56.5	45.1
Total Solids (volume)	T487	0.001 l	None	1.160	1.560

Technical Reviewer Role

Senior Customer Service Advisor
Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T309	Transfer - PCOM	749228, 749229, 749230, 749231, 749232, 749233
T487	L004B-Grav	749228, 749229, 749230, 749231, 749232, 749233

Testing Location	Samples
All analysis was carried out at i2 Analytical	749228, 749229, 749230, 749231, 749232, 749233

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The multi-sample report reference takes the form of [job number]-[version number].

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
10783-1

REGISTERED
DATE
16/04/2024

RECEIVED
DATE
16/04/2024

ANALYSIS
STARTED
18/04/2024

ANALYSIS
COMPLETE
23/04/2024

LABORATORY



CUSTOMER



CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 04/04/2024

END DATE SAMPLED 11/04/2024
PO NUMBER S3240

Matrix: Water

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	752709 EMS 2.1	752710 EMS 2.2	752711 EMS 2.3	752712 EMS 2.4
Asbestos	T309	0.0	None	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	160	86.1	95.3	53.6
Total Solids (mass)	T487	10.0 mg	None	45.3	24.4	27.0	15.2
Total Solids (volume)	T487	0.001 l	None	2.590	2.008	2.610	2.680

Technical Reviewer Role



Senior Customer Service Advisor
Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T309	Transfer - PCOM	752709, 752710, 752711, 752712
T487	L004B-Grav	752709, 752710, 752711, 752712

Testing Location	Samples
All analysis was carried out at i2 Analytical	752709, 752710, 752711, 752712

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Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

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The multi-sample report reference takes the form of [job number]-[version number].

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
10861-1

REGISTERED
DATE
23/04/2024

RECEIVED
DATE
23/04/2024

ANALYSIS
STARTED
23/04/2024

ANALYSIS
COMPLETE
29/04/2024

LABORATORY



CUSTOMER



CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 11/04/2024

END DATE SAMPLED 18/04/2024
PO NUMBER S3240

Matrix: Water

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	757017	757018	757019	757020
				EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4
Asbestos	T309	0.0	None	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m ² /day	None	277	115	191	192
Total Solids (mass)	T487	10.0 mg	None	78.4	32.5	54.1	54.3
Total Solids (volume)	T487	0.001 l	None	1.220	0.950	0.400	0.530

Technical Reviewer Role



Senior Customer Service Advisor
Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T309	Transfer - PCOM	757017, 757018, 757019, 757020
T487	L004B Grav	757017, 757018, 757019, 757020

Testing Location	Samples
All analysis was carried out at i2	757017, 757018, 757019, 757020

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Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

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The multi-sample report reference takes the form of {job number}-{version number}.

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
10951-1

REGISTERED
DATE
29/04/2024

RECEIVED
DATE
30/04/2024

ANALYSIS
STARTED
30/04/2024

ANALYSIS
COMPLETE
10/05/2024

LABORATORY

CUSTOMER

CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 18/02/2024

END DATE SAMPLED 25/04/2024
PO NUMBER S3240

Matrix: Water

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	760699	760700	760701	760702
				EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4
Asbestos	T309	0.0	None	Refer to Additional Report	Refer to Additional Report	Refer to Additional Report	Refer to Additional Report
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	62.7	< 3.69	3.87	4.24
Total Solids (mass)	T487	10.0 mg	None	170	≤ 10.0	10.5	11.5
Total Solids (volume)	T487	0.001 l	None	0.610	0.200	0.140	0.250

Technical Reviewer Role

Senior Customer Service Advisor

Extra Testing Information

Technique Code	Technique Name	Samples
T309	Transfer - PCOM	760699, 760700, 760701, 760702
T487	L004B-Gray	760699, 760700, 760701, 760702

Testing Location	Samples
All analysis was carried out at i2 Analytical	760699, 760700, 760701, 760702

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

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LOD = Limit of Determination. This is the lowest reportable limit of the test.

The multi-sample report reference takes the form of [job number]-[version number].

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
11022-1

REGISTERED
DATE
07/05/2024

RECEIVED
DATE
07/05/2024

ANALYSIS
STARTED
09/05/2024

ANALYSIS
COMPLETE
13/05/2024

LABORATORY

CUSTOMER

CLIENT CODE
CLIENT SITE
DATE SAMPLED (DD/MM/YY)

S3240
Ardrossan North Shore
25/04/2024

END DATE SAMPLED
PO NUMBER

02/05/2024
S3240

Matrix: Water

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	765237 EMS 2.1	765238 EMS 2.2	765239 EMS 2.3	765240 EMS 2.4
Asbestos	T309	0.0	None	Refer to Additional Report	Refer to Additional Report	Refer to Additional Report	Refer to Additional Report
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	< 35.29	< 35.29	< 35.29	< 35.29
Total Solids (mass)	T487	10.0 mg	None	< 10.0	< 10.0	< 10.0	< 10.0
Total Solids (volume)	T487	0.001 l	None	0.300	0.200	0.200	0.400

Technical Reviewer Role

Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T309	Transfer - PCOM	765237, 765238, 765239, 765240
T487	L004B-Grav	765237, 765238, 765239, 765240

Testing Location	Samples
All analysis was carried out at i2 Analytical	765237, 765238, 765239, 765240

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

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LOD = Limit of Determination. This is the lowest reportable limit of the test.

The multi-sample report reference takes the form of [job number]-[version number].

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
11066-1

REGISTERED
DATE
10/05/2024

RECEIVED
DATE
10/05/2024

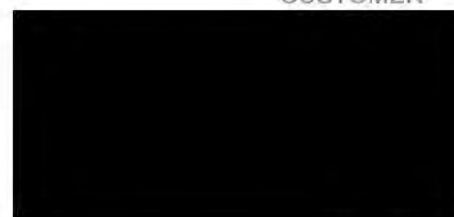
ANALYSIS
STARTED
10/05/2024

ANALYSIS
COMPLETE
23/05/2024

LABORATORY



CUSTOMER



CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 02/05/2024

END DATE SAMPLED 09/05/2024
PO NUMBER S3240

Matrix: Water

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	767961 EMS2.1	767962 EMS2.2	767963 EMS2.3	767964 EMS2.4
Asbestos	T309	0.0	None	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	92.1	73.4	178	82.9
Total Solids (mass)	T487	10.0 mg	None	26.1	20.8	50.4	23.5
Total Solids (volume)	T487	0.001 l	None	0.120	0.300	0.200	0.150

Technical Reviewer Role



Senior Customer Service Advisor

Extra Testing Information

Technique Code	Technique Name	Samples
T309	Transfer - PCOM	767961, 767962, 767963, 767964
T487	L004B-Grav	767961, 767962, 767963, 767964

Testing Location	Samples
All analysis was carried out at i2 Analytical (	767961, 767962, 767963, 767964

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LOD = Limit of Determination. This is the lowest reportable limit of the test.

The multi-sample report reference takes the form of [job number]-[version number].

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
11137-1

REGISTERED
DATE
17/05/2024

RECEIVED
DATE
17/05/2024

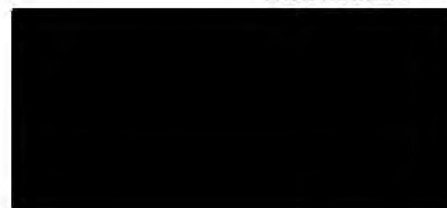
ANALYSIS
STARTED
20/05/2024

ANALYSIS
COMPLETE
28/05/2024

LABORATORY



CUSTOMER



CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 09/05/2024

END DATE SAMPLED 16/05/2024
PO NUMBER S3240

Matrix: Water

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	772335 EMS 2.1	772336 EMS 2.2	772337 EMS 2.3	772338 EMS 2.4
Asbestos	T309	0.0	None	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m ² /day	None	69.2	< 35.29	< 35.29	50.8
Total Solids (mass)	T487	10.0 mg	None	19.6	< 10.0	< 10.0	14.4
Total Solids (volume)	T487	0.001 l	None	0.120	0.030	< 0.001	< 0.001

Technical Reviewer Role



Senior Customer Service Advisor
Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T309	Transfer - PCOM	772335, 772336, 772337, 772338
T487	L004B-Grav	772335, 772336, 772337, 772338

Testing Location	Samples
All analysis was carried out at i2 Analytical	772335, 772336, 772337, 772338

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Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.

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The multi-sample report reference takes the form of [job number]-[version number].

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
11229-1

REGISTERED
DATE
28/05/2024

RECEIVED
DATE
28/05/2024

ANALYSIS
STARTED
30/05/2024

ANALYSIS
COMPLETE
07/06/2024

LABORATORY

CUSTOMER

CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 16/05/2024

END DATE SAMPLED 23/05/2024
PO NUMBER S3240

Matrix: Water

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	777841 EMS 2.1	777842 EMS 2.2	777843 EMS 2.3	777844 EMS 2.4
Asbestos	T309	0.0	None	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	< 35.29	< 35.29	< 35.29	< 35.29
Total Solids (mass)	T487	10.0 mg	None	< 10.0	< 10.0	< 10.0	< 10.0
Total Solids (volume)	T487	0.001 l	None	0.640	0.800	< 0.001	0.300

Technical Reviewer Role

Senior Customer Service Advisor
Customer Service Advisor

Extra Testing Information

Technique Code	Technique Name	Samples
T309	Transfer - PCOM	777841, 777842, 777843, 777844
T487	L004B-Grav	777841, 777842, 777843, 777844

Testing Location	Samples
All analysis was carried out at i2 Analytical	777841, 777842, 777843, 777844

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CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
11291-1

REGISTERED
DATE
04/06/2024

RECEIVED
DATE
04/06/2024

ANALYSIS
STARTED
10/06/2024

ANALYSIS
COMPLETE
11/06/2024

LABORATORY



CUSTOMER



CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 23/05/2024

END DATE SAMPLED 30/05/2024
PO NUMBER S3240

Matrix: Water

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	782053	782054	782055	782056
				EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4
Asbestos	T309	0.0	None	Refer to Additional Report	Refer to Additional Report	Refer to Additional Report	Refer to Additional Report
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	47.6	< 35.29	< 35.29	67.8
Total Solids (mass)	T487	10.0 mg	None	13.5	< 10.0	< 10.0	19.2
Total Solids (volume)	T487	0.001 l	None	1.900	1.650	1.000	1.600

Technical Reviewer Role



Customer Service Manager
Customer Service Advisor
Senior Customer Service Advisor

Extra Testing Information

Technique Code	Technique Name	Samples
T309	Transfer - PCOM	782053, 782054, 782055, 782056
T487	L0048-Grav	782053, 782054, 782055, 782056

Testing Location	Samples
All analysis was carried out at i2 Analytical	782053, 782054, 782055, 782056

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CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
11355-1

REGISTERED
DATE
10/06/2024

RECEIVED
DATE
10/06/2024

ANALYSIS
STARTED
11/06/2024

ANALYSIS
COMPLETE
18/06/2024

LABORATORY

CUSTOMER

CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 30/05/2024

END DATE SAMPLED 06/06/2024
PO NUMBER S3240

Matrix: Water

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	786164 EMS 2.1	786165 EMS 2.2	786166 EMS 2.3	786167 EMS 2.4
Asbestos	T309	0.0	None	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	< 35.29	< 35.29	101	< 35.29
Total Solids (mass)	T487	10.0 mg	None	< 10.0	< 10.0	28.5	< 10.0
Total Solids (volume)	T487	0.001 l	None	< 0.001	0.060	0.080	< 0.001

Technical Reviewer Role

Senior Customer Service Advisor
Customer Service Manager
Customer Service Advisor

Extra Testing Information

Technique Code	Technique Name	Samples
T309	Transfer - PCOM	786164, 786165, 786166, 786167
T487	L004B-Grav	786164, 786165, 786166, 786167

Testing Location	Samples
All analysis was carried out at i2 Analytical	786164, 786165, 786166, 786167

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The multi-sample report reference takes the form of [job number]-[version number].

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
11424-1

REGISTERED
DATE
17/06/2024

RECEIVED
DATE
17/06/2024

ANALYSIS
STARTED
17/06/2024

ANALYSIS
COMPLETE
25/06/2024

LABORATORY

CUSTOMER

CLIENT CODE
CLIENT SITE
DATE SAMPLED (DD/MM/YY)

S3240
Ardrossan North Shore
06/06/2024

END DATE SAMPLED
PO NUMBER

12/06/2024
S3240

Matrix: Water

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	790617	790618	790619	790620
				EMS 2.1	EMS 2.2	EMS 2.3	EMS 2.4
Asbestos	T309	0.0	None	Refer to Additional Report	Refer to Additional Report	Refer to Additional Report	Refer to Additional Report
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	98.4	103	71.2	63.4
Total Solids (mass)	T487	10.0 mg	None	23.9	24.9	17.3	15.4
Total Solids (volume)	T487	0.001 l	None	0.040	0.120	0.020	0.020

Technical Reviewer Role

Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T309	Transfer - PCOM	790617, 790618, 790619, 790620
T487	L004B-Grav	790617, 790618, 790619, 790620

Testing Location	Samples
All analysis was carried out at i2 Analytical	790617, 790618, 790619, 790620

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The multi-sample report reference takes the form of [job number]-[version number].

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
11658-1

REGISTERED
DATE
08/07/2024

RECEIVED
DATE
08/07/2024

ANALYSIS
STARTED
09/07/2024

ANALYSIS
COMPLETE
12/07/2024

LABORATORY

CUSTOMER

CLIENT CODE
CLIENT SITE
DATE SAMPLED (DD/MM/YY)

S3240
Ardrossan North Shore
21/06/2024

END DATE SAMPLED
PO NUMBER

02/07/2024
S3240

Matrix: Water

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	803812 EMS 2.1	803813 EMS 2.2	803814 EMS 2.3	803815 EMS 2.4
Asbestos	T309	0.0	None	Refer to Additional Report	Refer to Additional Report	Refer to Additional Report	Refer to Additional Report
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	< 22.45	< 22.45	< 22.45	< 22.45
Total Solids (mass)	T487	10.0 mg	None	< 10.0	< 10.0	< 10.0	< 10.0
Total Solids (volume)	T487	0.001 l	None	0.100	0.630	0.550	0.270

Technical Reviewer

Role

Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T309	Transfer - PCOM	803812, 803813, 803814, 803815
T487	L0048-Grav	803812, 803813, 803814, 803815

Testing Location	Samples
All analysis was carried out at i2	803812, 803813, 803814, 803815

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The multi-sample report reference takes the form of [job number]-[version number].

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
11915-1

REGISTERED
DATE
02/08/2024

RECEIVED
DATE
02/08/2024

ANALYSIS
STARTED
02/08/2024

ANALYSIS
COMPLETE
07/08/2024

LABORATORY

CUSTOMER

CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 02/07/2024

END DATE SAMPLED 31/07/2024
PO NUMBER S3240

Matrix: Water

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	819917 EMS 2.1	819918 EMS 2.2	819919 EMS 2.3	819920 EMS 2.4
Asbestos	T309	0.0	None	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	< 8.52	< 8.52	< 8.52	< 8.52
Total Solids (mass)	T487	10.0 mg	None	< 10.0	< 10.0	< 10.0	< 10.0
Total Solids (volume)	T487	0.001 l	None	0.310	0.180	0.150	0.210

Technical Reviewer Role

Senior Customer Service Advisor
Customer Service Manager
Customer Service Advisor

Extra Testing Information

Technique Code	Technique Name	Samples
T309	Transfer - PCOM	819917, 819918, 819919, 819920
T487	L004B-Grav	819917, 819918, 819919, 819920

Testing Location	Samples
All analysis was carried out at i2 Analytical	819917, 819918, 819919, 819920

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The multi-sample report reference takes the form of [job number]-[version number].

CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
12083-1

REGISTERED
DATE
22/08/2024

RECEIVED
DATE
22/08/2024

ANALYSIS
STARTED
22/08/2024

ANALYSIS
COMPLETE
30/08/2024

LABORATORY

CUSTOMER

CLIENT CODE
CLIENT SITE
DATE SAMPLED (DD/MM/YY)

S3240
Ardrossan North Shore
06/08/2024

END DATE SAMPLED
PO NUMBER

21/08/2024
S3240

Matrix: Water

Determinand	Technique	LOD	i2 Sample Number Sample Reference	830858 EMS 2.1	830859 EMS 2.2	830860 EMS 2.3	830861 EMS 2.4
			Accreditation	Complete	Complete	Complete	Complete
Asbestos	T309	0.0	None	Complete	Complete	Complete	Complete
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	120	60.0	< 16.47	< 16.47
Total Solids (mass)	T487	10.0 mg	None	72.9	34.6	< 10.0	< 10.0
Total Solids (volume)	T487	0.001 l	None	0.810	0.550	0.430	0.400

Technical Reviewer Role

Senior Customer Service Advisor
Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T309	Transfer - PCOM	830858, 830859, 830860, 830861
T487	L004B-Grav	830858, 830859, 830860, 830861

Testing Location	Samples
All analysis was carried out at i2	830858, 830859, 830860, 830861

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CERTIFICATE OF ANALYSIS



Environmental Science

MULTI-SAMPLE
REPORT REFERENCE
10357-1

REGISTERED
DATE
04/03/2024

RECEIVED
DATE
05/03/2024

ANALYSIS
STARTED
05/03/2024

ANALYSIS
COMPLETE
11/03/2024

LABORATORY

CUSTOMER

CLIENT CODE S3240
CLIENT SITE Ardrossan North Shore
DATE SAMPLED (DD/MM/YY) 22/02/2024

END DATE SAMPLED 29/02/2024
PO NUMBER S3240

Matrix: Water

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	730137	730138	730140	730142
				EMS2.1	EMS2.2	EMS2.3	EMS2.4
Asbestos	T309	0.0	None	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation	Saved In Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	62.1	< 35.29	< 35.29	< 35.29
Total Solids (mass)	T487	10.0 mg	None	17.6	< 10.0	< 10.0	< 10.0
Total Solids (volume)	T487	0.001 l	None	0.280	0.030	0.480	0.390

Determinand	Technique	LOD	i2 Sample Number Sample Reference Accreditation	730143	730145
				EMS2.5	EMS2.6
Asbestos	T309	0.0	None	Saved In Online Documentation	Saved In Online Documentation
Rate of Dust Deposition	T487	0.0 mg/m2/day	None	< 35.29	< 35.29
Total Solids (mass)	T487	10.0 mg	None	< 10.0	< 10.0
Total Solids (volume)	T487	0.001 l	None	0.370	0.710

Technical Reviewer Role

Senior Customer Service Advisor
Customer Service Manager

Extra Testing Information

Technique Code	Technique Name	Samples
T309	Transfer - PCOM	730137, 730138, 730140, 730142, 730143, 730145
T487	L004E-Grav	730137, 730138, 730140, 730142, 730143, 730145

Testing Location	Samples
All analysis was carried out at i2 Analytical	730137, 730138, 730140, 730142, 730143, 730145

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