



GAEA Technologies

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Borehole Validation Report

Project ID:	Validation QA and QC Examples
Project Name:	Validation QA and QC Examples
Borehole	BH-04 ENV-QAQC
X Coordinate:	548415.2
Y Coordinate:	4809212.8
End Depth:	12.00
Date Drilled:	August 5, 2026
Validated By:	Admin
Validation Date:	August 13, 2026
WinLoG Version:	6.10
Validation Engine:	1.0.0

Overall Validation Status

Validation:	Failed
Completeness:	100%
Quality:	Fair
Confidence Score:	60%

Validation Summary

Warnings:	5
Errors:	2

Validation Errors

Message:	Sample ID is required
Data Type:	Sample
Depth:	6.25
Message:	Duplicate sample ID detected
Data Type:	Sample
Depth:	5.00
Actual Value:	ENV-01-S04
Expected Value:	Unique sample ID



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Validation Warnings

Message:	Laboratory result exceeds applicable criterion
Data Type:	Criteria Exceedance
Depth:	0.75
Actual Value:	Benzene exceeds example criterion of 0.02 mg/kg (4.0x).
Expected Value:	Within applicable criterion
Message:	Laboratory result exceeds applicable criterion
Data Type:	Criteria Exceedance
Depth:	1.75
Actual Value:	F1 PHCs and benzene exceed example criteria; benzene 6.0x.
Expected Value:	Within applicable criterion
Message:	Laboratory result exceeds applicable criterion
Data Type:	Criteria Exceedance
Depth:	2.75
Actual Value:	Benzene exceeds example criterion of 0.02 mg/kg (2.5x).
Expected Value:	Within applicable criterion
Message:	Elevated PID or VOC in impacted material
Data Type:	PID/VOC
Depth:	1.75
Actual Value:	165
Expected Value:	<= 75 ppm
Message:	Elevated PID or VOC in impacted material
Data Type:	PID/VOC
Depth:	2.75
Actual Value:	112
Expected Value:	<= 75 ppm

This report summarizes automated validation checks performed by WinLoG Professional. It is not a formal QA/QC certificate and does not constitute approval of the borehole record.