

ENVIRONMENTAL INVESTIGATION LOG: BH-04 ENV-QAQC

EASTING: -80.4908 m

NORTHING: 43.4524 m

VALIDATION STATUS: Not Validated

PROJECT: Validation QA and QC Examples

PROJECT NO.: ENV-QAQC-DEMO-001

COMPLETENESS: Pending Validation

DATE: 2026-08-05

SURFACE ELEVATION: 326.4

QA/QC STATE: Draft

Depth (m)	Water / Well	Symbol	Soil / Rock Description	Sample ID	Sample Type	Recovery (%)	PID / VOC (ppm)	Odour / Staining / NAPL	Laboratory Results	Criteria / Exceedance	Validation / QA-QC
0.0			Ground Surface								
1.0			Sand and gravel FILL with brick fragments; moist; petroleum odour and black staining.	NV-01-SC	SS	70	42 ppm	Petroleum odour; black staining; no free product observed.	F1 PHCs 520 mg/kg; benzene 0.08 mg/kg.	Benzene exceeds example criterion of 0.02 mg/kg (4.0x).	WARNING: Laboratory result exceeds applicable criterion
2.0			Dark Brown				165 ppm	Strong petroleum odour and staining; possible residual NAPL.	F1 PHCs 1,850 mg/kg; benzene 0.12 mg/kg.	F1 PHCs and benzene exceed example criteria; benzene 6.0x.	WARNING: Laboratory result exceeds applicable criterion
3.0			Dark Brown				112 ppm	Petroleum odour; wet soil below observed water strike.	F1 PHCs 740 mg/kg; benzene 0.05 mg/kg.	Benzene exceeds example criterion of 0.02 mg/kg (2.5x).	WARNING: PID or VOC in impacted material
4.0			Petroleum	NV-01-SC	SS	68	38 ppm				WARNING: Laboratory result exceeds applicable criterion
5.0			Brown silty SAND, trace gravel; moist to wet; intermittent petroleum odour.				6 ppm	No odour or staining observed.	F1 PHCs 11125 mg/kg; benzene 1110.005 mg/kg.	No exceedance identified.	ERROR: Duplicate sample ID detected
6.0			Brown				3 ppm				ERROR: Sample ID is required
7.0			Brown				2 ppm				
8.0			Petroleum	NV-01-SC	SS	80	1 ppm				
9.0			Grey silty CLAY of low plasticity; moist to wet; no visible staining.				0 ppm				
10.0			Grey	NV-01-SC	SS	92					
11.0			Grey								
12.0			Grey								
			Not Perceptible		SS	88					
			Dense grey-brown sandy silt TILL, trace gravel; moist.								
			Grey Brown	NV-01-SC	SS	84					
			Grey Brown								
			Grey Brown								
			Not Perceptible	NV-01-SC	SS	78					

Validation Summary:

Water Observations:

Notes:

Reviewed By:

Approved By: