

Report of Analysis

Client:	Hero Construction	Date Collected:	08/21/25
Project:	Residential Soil Testing	Date Received:	08/21/25
Client Sample ID:	27-BELL	SDG No.:	Q2928
Lab Sample ID:	Q2928-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.3
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/27/25 09:20	08/27/25 16:26	PB169422

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	14.5		1	1.06	4.68	mg/kg	FE055538.D
Total EPH	Total EPH	14.5			1.06	4.68	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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FE055538.D	1	08/27/25	08/27/25	PB169422

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	14.5		1.06	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.5		1.38	2.34	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.5		40 - 140	57%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.6		40 - 140	47%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2928-01	Acq On:	27 Aug 2025 16:26
Client Sample ID:	27-BELL	Operator:	YP\AJ
Data file:	FE055538.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.315	6.949	707090	6.055	300	ug/ml
Aliphatic C12-C16	6.950	10.402	1675553	13.38	200	ug/ml
Aliphatic C16-C21	10.403	13.780	6364307	50.349	300	ug/ml
Aliphatic C21-C28	13.781	17.453	13990261	116.096	400	ug/ml
Aliphatic C28-C40	17.454	22.472	25633025	224.876	600	ug/ml
Aliphatic EPH	3.315	22.472	48370236	410.756		ug/ml
ortho-Terphenyl (SURR)	12.078	12.078	3373623	23.62		ug/ml
1-chlorooctadecane (SURR)	13.515	13.515	3061220	28.47		ug/ml
Aliphatic C9-C28	3.315	17.453	22737211	185.88	1200	ug/ml