

Report of Analysis

Client:	Hero Construction	Date Collected:	
Project:	Residential Soil Testing	Date Received:	
Client Sample ID:	27-BELLMS	SDG No.:	Q2928
Lab Sample ID:	Q2928-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.3
Sample Wt/Vol:	30.03 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 16:57	PB169422

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	131	E	1	1.07	4.68	mg/kg	FE055539.D
Total EPH	Total EPH	131			1.07	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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FE055539.D	1	08/27/25	08/27/25	PB169422

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TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	131	E	1.07	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	66.6	E	1.38	2.34	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.4		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.8		40 - 140	48%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2928-01MS	Acq On:	27 Aug 2025 16:57
Client Sample ID:	27-BELLMS	Operator:	YP\AJ
Data file:	FE055539.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.315	6.949	32501105	278.304	300	ug/ml
Aliphatic C12-C16	6.950	10.402	43709353	349.041	200	ug/ml
Aliphatic C16-C21	10.403	13.780	53584789	423.914	300	ug/ml
Aliphatic C21-C28	13.781	17.453	75394229	625.649	400	ug/ml
Aliphatic C28-C40	17.454	22.472	97245656	853.128	600	ug/ml
Aliphatic EPH	3.315	22.472	302435132	2530		ug/ml
ortho-Terphenyl (SURR)	12.078	12.078	3401149	23.82		ug/ml
1-chlorooctadecane (SURR)	13.515	13.515	3164153	29.43		ug/ml
Aliphatic C9-C28	3.315	17.453	205189476	1680	1200	ug/ml