

Report of Analysis

Client:	Hero Construction		Date Collected:		
Project:	Residential Soil Testing		Date Received:		
Client Sample ID:	27-BELLMSD		SDG No.:	Q2928	
Lab Sample ID:	Q2928-01MSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	85.3	
Sample Wt/Vol:	30.05	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 17:27	PB169422

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	131	E	1	1.06	4.68	mg/kg	FE055540.D
Total EPH	Total EPH	131			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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FE055540.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	131	E	1.06	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	66.7	E	1.38	2.34	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.5		40 - 140	55%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	22.1		40 - 140	44%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2928-01MSD	Acq On:	27 Aug 2025 17:27
Client Sample ID:	27-BELLMSD	Operator:	YP\AJ
Data file:	FE055540.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.315	6.949	33341010	285.496	300	ug/ml
Aliphatic C12-C16	6.950	10.402	44075705	351.966	200	ug/ml
Aliphatic C16-C21	10.403	13.780	53456272	422.897	300	ug/ml
Aliphatic C21-C28	13.781	17.453	75024310	622.579	400	ug/ml
Aliphatic C28-C40	17.454	22.472	97479567	855.18	600	ug/ml
Aliphatic EPH	3.315	22.472	303376864	2540		ug/ml
ortho-Terphenyl (SURR)	12.078	12.078	3152344	22.07		ug/ml
1-chlorooctadecane (SURR)	13.515	13.515	2954624	27.48		ug/ml
Aliphatic C9-C28	3.315	17.453	205897297	1680	1200	ug/ml