

Report of Analysis

Client:	Hero Construction	Date Collected:	
Project:	Residential Soil Testing	Date Received:	
Client Sample ID:	PB169422BSD	SDG No.:	Q2928
Lab Sample ID:	PB169422BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
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 15:56	PB169422

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	92.6	E	1	0.91	3.99	mg/kg	FE055537.D
Total EPH	Total EPH	92.6			0.91	3.99	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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FE055537.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	92.6	E	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	31.7		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	46.1		40 - 140	92%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.7		40 - 140	87%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169422BSD	Acq On:	27 Aug 2025 15:56
Client Sample ID:	PB169422BSD	Operator:	YP\AJ
Data file:	FE055537.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.315	6.949	28837604	246.934	300	ug/ml
Aliphatic C12-C16	6.950	10.402	37932086	302.906	200	ug/ml
Aliphatic C16-C21	10.403	13.780	44428926	351.481	300	ug/ml
Aliphatic C21-C28	13.781	17.453	59060715	490.107	400	ug/ml
Aliphatic C28-C40	17.454	22.472	54203385	475.522	600	ug/ml
Aliphatic EPH	3.315	22.472	224462716	1870		ug/ml
ortho-Terphenyl (SURR)	12.080	12.080	6242271	43.71		ug/ml
1-chlorooctadecane (SURR)	13.516	13.516	4952906	46.06		ug/ml
Aliphatic C9-C28	3.315	17.453	170259331	1390	1200	ug/ml