

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Diamond	Date Received:	
Client Sample ID:	PB170764BSD	SDG No.:	Q3740
Lab Sample ID:	PB170764BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	12/01/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	21.1		1	1.18	2.00	mg/kg	FE057100.D	12/01/25 16:39	PB170764
Aliphatic C9-C28	Aliphatic C9-C28	65.6		1	0.91	3.99	mg/kg	FE057100.D	12/01/25 16:39	PB170764
Total AliphaticEPH	Total AliphaticEPH	86.7			2.09	5.99	mg/kg			
Total EPH	Total EPH	86.7			2.09	5.99	mg/kg			

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 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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		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	65.6	1		0.91	3.99	mg/kg	12/01/25	PB170764
Aliphatic C28-C40	Aliphatic C28-C40	21.1	1		1.18	2.00	mg/kg	12/01/25	PB170764
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	27.1			40 - 140	54%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	30.2			40 - 140	60%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170764BSD	Acq On:	01 Dec 2025 16:39
Client Sample ID:	PB170764BSD	Operator:	YP\AJ
Data file:	FE057100.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.201	6.825	33807182	168.484	300	ug/ml
Aliphatic C12-C16	6.826	10.270	45928620	226.052	200	ug/ml
Aliphatic C16-C21	10.271	13.644	51485081	259.612	300	ug/ml
Aliphatic C21-C28	13.645	17.313	65653140	330.335	400	ug/ml
Aliphatic C28-C40	17.314	22.242	63252450	316.421	600	ug/ml
Aliphatic EPH	3.201	22.242	260126473	1300		ug/ml
ortho-Terphenyl (SURR)	11.941	11.941	6631833	30.22		ug/ml
1-chlorooctadecane (SURR)	13.378	13.378	4512680	27.12		ug/ml
Aliphatic C9-C28	3.201	17.313	196874023	984.483	1200	ug/ml