

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Amsterdam		Date Received:		
Client Sample ID:	PB167833BS		SDG No.:	Q1939	
Lab Sample ID:	PB167833BS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.02	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
05/02/25 09:15	05/02/25 17:11	PB167833

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	26.5		1	1.18	2.00	mg/kg	FC068750.D
Aliphatic C9-C28	Aliphatic C9-C28	95.3	E	1	0.91	3.99	mg/kg	FC068750.D
Total AliphaticEPH	Total AliphaticEPH	122			2.09	5.99	mg/kg	
Total EPH	Total EPH	122			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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Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068750.D	1	05/02/25	05/02/25	PB167833

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	95.3	E	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.5		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.0		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.3		40 - 140	75%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167833BS	Acq On:	02 May 2025 17:11
Client Sample ID:	PB167833BS	Operator:	YP/AJ
Data file:	FC068750.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.343	6.645	23606409	224.221	300	ug/ml
Aliphatic C12-C16	6.646	10.046	38960672	380.763	200	ug/ml
Aliphatic C16-C21	10.047	13.415	35112294	355.328	300	ug/ml
Aliphatic C21-C28	13.416	17.079	44232371	469.631	400	ug/ml
Aliphatic C28-C40	17.080	22.085	35723885	397.449	600	ug/ml
Aliphatic EPH	3.343	22.085	177635631	1830		ug/ml
ortho-Terphenyl (SURR)	11.716	11.716	4746439	37.27		ug/ml
1-chlorooctadecane (SURR)	13.149	13.149	3617879	38.95		ug/ml
Aliphatic C9-C28	3.343	17.079	141911746	1430	1200	ug/ml