

Report of Analysis

Client:	G Environmental	Date Collected:	04/21/25
Project:	Stockton	Date Received:	04/21/25
Client Sample ID:	DP8	SDG No.:	Q1851
Lab Sample ID:	Q1851-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.3
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
04/22/25 09:40	04/23/25 2:18	PB167690

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	29.5		1	1.28	2.16	mg/kg FE053487.D
Aliphatic C9-C28	Aliphatic C9-C28	20.8		1	0.98	4.32	mg/kg FE053487.D
Total AliphaticEPH	Total AliphaticEPH	50.3			2.26	6.48	mg/kg
Total EPH	Total EPH	50.3			2.26	6.48	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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Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053487.D	1	04/22/25	04/23/25	PB167690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	20.8		0.98	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	29.5		1.28	2.16	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.5		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.0		40 - 140	64%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1851-04	Acq On:	23 Apr 2025 02:18
Client Sample ID:	DP8	Operator:	YP\AJ
Data file:	FE053487.D	Misc:	
Instrument:	FID_E	ALS Vial:	34
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.123	6.764	7111095	51.321	300	ug/ml
Aliphatic C12-C16	6.765	10.214	4523830	31.902	200	ug/ml
Aliphatic C16-C21	10.215	13.590	16174106	111.266	300	ug/ml
Aliphatic C21-C28	13.591	17.259	13423494	94.416	400	ug/ml
Aliphatic C28-C40	17.260	22.156	52748595	408.748	600	ug/ml
Aliphatic EPH	3.123	22.156	93981120	697.652		ug/ml
ortho-Terphenyl (SURR)	11.874	11.874	5770856	32		ug/ml
1-chlorooctadecane (SURR)	13.319	13.319	4399888	32.55		ug/ml
Aliphatic C9-C28	3.123	17.259	41232525	288.905	1200	ug/ml