

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.		Date Collected:	08/29/25	
Project:	Bayshore Soil BSM Management		Date Received:	08/29/25	
Client Sample ID:	PAULDING-WC1		SDG No.:	Q2994	
Lab Sample ID:	Q2994-01		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	91	
Sample Wt/Vol:	30.03	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
09/02/25 10:30	09/02/25 15:12	PB169491

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	41.8		1	1.30	2.20	mg/kg	FG016499.D
Aliphatic C9-C28	Aliphatic C9-C28	15.2		1	1.00	4.39	mg/kg	FG016499.D
Total AliphaticEPH	Total AliphaticEPH	57.0			2.30	6.59	mg/kg	
Total EPH	Total EPH	57.0			2.30	6.59	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
FG016499.D	1	09/02/25	09/02/25	PB169491

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	15.2		1.00	4.39	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	41.8		1.30	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.6		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.8		40 - 140	64%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2994-01	Acq On:	02 Sep 2025 15:12
Client Sample ID:	PAULDING-WC1	Operator:	YP\AJ
Data file:	FG016499.D	Misc:	
Instrument:	FID_G	ALS Vial:	62
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.289	6.931	755732	6.586	300	ug/ml
Aliphatic C12-C16	6.932	10.390	1696872	14.457	200	ug/ml
Aliphatic C16-C21	10.391	13.780	9856329	83.902	300	ug/ml
Aliphatic C21-C28	13.781	17.465	11460161	102.517	400	ug/ml
Aliphatic C28-C40	17.466	22.506	51895739	571.008	600	ug/ml
Aliphatic EPH	3.289	22.506	75664833	778.47		ug/ml
ortho-Terphenyl (SURR)	12.069	12.069	4214105	31.83		ug/ml
1-chlorooctadecane (SURR)	13.515	13.515	3478554	34.56		ug/ml
Aliphatic C9-C28	3.289	17.465	23769094	207.462	1200	ug/ml