

Report of Analysis

Client:	PSEG	Date Collected:	05/30/25
Project:	OR-400/CF-402	Date Received:	05/30/25
Client Sample ID:	OR-400-CF-402B-63	SDG No.:	Q2173
Lab Sample ID:	Q2173-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.2
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/02/25 09:15	06/02/25 18:48	PB168231

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	19.3		1	1.43	2.43	mg/kg FE054129.D
Aliphatic C9-C28	Aliphatic C9-C28	14.5		1	1.11	4.85	mg/kg FE054129.D
Total AliphaticEPH	Total AliphaticEPH	33.8			2.54	7.28	mg/kg
Total EPH	Total EPH	33.8			2.54	7.28	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 :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054129.D	1	06/02/25	06/02/25	PB168231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	14.5		1.11	4.85	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	19.3		1.43	2.43	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.4		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.8		40 - 140	62%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2173-05	Acq On:	02 Jun 2025 18:48
Client Sample ID:	OR-400-CF-402B-63	Operator:	YP\AJ
Data file:	FE054129.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	3.087	6.734	451360	3.33	300	ug/ml
Aliphatic C12-C16	6.735	10.181	2196445	16.277	200	ug/ml
Aliphatic C16-C21	10.182	13.556	7652539	58.013	300	ug/ml
Aliphatic C21-C28	13.557	17.226	12588140	101.373	400	ug/ml
Aliphatic C28-C40	17.227	22.106	27463623	237.923	600	ug/ml
Aliphatic EPH	3.087	22.106	50352107	416.915		ug/ml
ortho-Terphenyl (SURR)	11.841	11.841	5007408	30.81		ug/ml
1-chlorooctadecane (SURR)	13.286	13.286	4193949	35.38		ug/ml
Aliphatic C9-C28	3.087	17.226	22888484	178.993	1200	ug/ml