

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-62	SDG No.:	Q2173
Lab Sample ID:	Q2173-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.9
Sample Wt/Vol:	30.01 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 18:18	PB168231

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	17.4		1	1.37	2.33	mg/kg	FE054128.D
Aliphatic C9-C28	Aliphatic C9-C28	11.1		1	1.06	4.65	mg/kg	FE054128.D
Total AliphaticEPH	Total AliphaticEPH	28.5			2.43	6.98	mg/kg	
Total EPH	Total EPH	28.5			2.43	6.98	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054128.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	11.1		1.06	4.65	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.4		1.37	2.33	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.4		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.6		40 - 140	57%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2173-04	Acq On:	02 Jun 2025 18:18
Client Sample ID:	OR-400-CF-402B-62	Operator:	YP\AJ
Data file:	FE054128.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.087	6.734	435265	3.211	300	ug/ml
Aliphatic C12-C16	6.735	10.181	4708300	34.891	200	ug/ml
Aliphatic C16-C21	10.182	13.556	4561724	34.582	300	ug/ml
Aliphatic C21-C28	13.557	17.226	8721937	70.238	400	ug/ml
Aliphatic C28-C40	17.227	22.106	25814391	223.635	600	ug/ml
Aliphatic EPH	3.087	22.106	44241617	366.557		ug/ml
ortho-Terphenyl (SURR)	11.840	11.840	4651845	28.62		ug/ml
1-chlorooctadecane (SURR)	13.286	13.286	3846256	32.44		ug/ml
Aliphatic C9-C28	3.087	17.226	18427226	142.922	1200	ug/ml