

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-64	SDG No.:	Q2173
Lab Sample ID:	Q2173-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.5
Sample Wt/Vol:	30.05 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 19:48	PB168231

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	20.0		1	1.45	2.45	mg/kg FE054131.D
Aliphatic C9-C28	Aliphatic C9-C28	10.8		1	1.11	4.89	mg/kg FE054131.D
Total AliphaticEPH	Total AliphaticEPH	30.8			2.56	7.34	mg/kg
Total EPH	Total EPH	30.8			2.56	7.34	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
FE054131.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	10.8		1.11	4.89	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	20.0		1.45	2.45	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.8		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.8		40 - 140	76%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2173-09	Acq On:	02 Jun 2025 19:48
Client Sample ID:	OR-400-CF-402B-64	Operator:	YP\AJ
Data file:	FE054131.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.087	6.734	268906	1.984	300	ug/ml
Aliphatic C12-C16	6.735	10.181	1859607	13.781	200	ug/ml
Aliphatic C16-C21	10.182	13.556	6587655	49.94	300	ug/ml
Aliphatic C21-C28	13.557	17.226	8563956	68.966	400	ug/ml
Aliphatic C28-C40	17.227	22.106	28220502	244.48	600	ug/ml
Aliphatic EPH	3.087	22.106	45500626	379.15		ug/ml
ortho-Terphenyl (SURR)	11.841	11.841	6138109	37.77		ug/ml
1-chlorooctadecane (SURR)	13.286	13.286	5070419	42.77		ug/ml
Aliphatic C9-C28	3.087	17.226	17280124	134.671	1200	ug/ml