

Report of Analysis

Client:	PSEG	Date Collected:	02/20/25
Project:	Bloomfield Substation	Date Received:	02/20/25
Client Sample ID:	STOCK-PILE	SDG No.:	Q1397
Lab Sample ID:	Q1397-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.3
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
02/21/25 08:29	02/21/25 14:12	PB166818

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	10.2		1	1.97	2.19	mg/kg FE052439.D
Aliphatic C9-C28	Aliphatic C9-C28	13.2		1	1.88	4.37	mg/kg FE052439.D
Total AliphaticEPH	Total AliphaticEPH	23.4			3.85	6.56	mg/kg
Total EPH	Total EPH	23.4			3.85	6.56	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
FE052439.D	1	02/21/25	02/21/25	PB166818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	13.2		1.88	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	10.2		1.97	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	47.9		40 - 140	96%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.1		40 - 140	90%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1397-01	Acq On:	21 Feb 2025 14:12
Client Sample ID:	STOCK-PILE	Operator:	YP\AJ
Data file:	FE052439.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.154	6.798	1144572	7.344	300	ug/ml
Aliphatic C12-C16	6.799	10.250	1472737	9.177	200	ug/ml
Aliphatic C16-C21	10.251	13.629	10899541	67.902	300	ug/ml
Aliphatic C21-C28	13.630	17.300	15048135	96.832	400	ug/ml
Aliphatic C28-C40	17.301	22.215	18278398	139.546	600	ug/ml
Aliphatic EPH	3.154	22.215	46843383	320.802		ug/ml
ortho-Terphenyl (SURR)	11.918	11.918	8429893	45.1		ug/ml
1-chlorooctadecane (SURR)	13.363	13.363	6653115	47.87		ug/ml
Aliphatic C9-C28	3.154	17.300	28564985	181.255	1200	ug/ml