

Report of Analysis

Client:	PSEG	Date Collected:	10/02/25
Project:	Federal Square Sub	Date Received:	10/02/25
Client Sample ID:	EG1-TP1-E2	SDG No.:	Q3269
Lab Sample ID:	Q3269-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
10/03/25 09:40	10/03/25 18:48	PB169970

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	13.5		1	1.29	2.19	mg/kg FE056173.D
Aliphatic C9-C28	Aliphatic C9-C28	14.8		1	1.00	4.39	mg/kg FE056173.D
Total AliphaticEPH	Total AliphaticEPH	28.3			2.29	6.58	mg/kg
Total EPH	Total EPH	28.3			2.29	6.58	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
FE056173.D	1	10/03/25	10/03/25	PB169970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	14.8		1.00	4.39	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	13.5		1.29	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.5		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.2		40 - 140	54%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3269-02	Acq On:	03 Oct 2025 18:48
Client Sample ID:	EG1-TP1-E2	Operator:	YP\AJ
Data file:	FE056173.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	3.311	6.944	692737	4.947	300	ug/ml
Aliphatic C12-C16	6.945	10.393	2321092	15.133	200	ug/ml
Aliphatic C16-C21	10.394	13.770	11433763	68.928	300	ug/ml
Aliphatic C21-C28	13.771	17.439	16741482	112.717	400	ug/ml
Aliphatic C28-C40	17.440	22.443	25128549	184.427	600	ug/ml
Aliphatic EPH	3.311	22.443	56317623	386.152		ug/ml
ortho-Terphenyl (SURR)	12.069	12.069	5106015	27.21		ug/ml
1-chlorooctadecane (SURR)	13.505	13.505	4391751	31.47		ug/ml
Aliphatic C9-C28	3.311	17.439	31189074	201.725	1200	ug/ml