

Report of Analysis

Client:	PSEG	Date Collected:	10/02/25
Project:	Federal Square Sub	Date Received:	10/02/25
Client Sample ID:	EG1-TP1	SDG No.:	Q3269
Lab Sample ID:	Q3269-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.8
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

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

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	16.9		1	1.30	2.20	mg/kg FE056172.D
Aliphatic C9-C28	Aliphatic C9-C28	9.56		1	1.00	4.39	mg/kg FE056172.D
Total AliphaticEPH	Total AliphaticEPH	26.5			2.30	6.59	mg/kg
Total EPH	Total EPH	26.5			2.30	6.59	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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Analytical Method:	NJEPH	% Solid:	90.8
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056172.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	9.56		1.00	4.39	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	16.9		1.30	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.0		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.6		40 - 140	65%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3269-01	Acq On:	03 Oct 2025 18:18
Client Sample ID:	EG1-TP1	Operator:	YP\AJ
Data file:	FE056172.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.944	483477	3.453	300	ug/ml
Aliphatic C12-C16	6.945	10.393	1721930	11.227	200	ug/ml
Aliphatic C16-C21	10.394	13.770	6503524	39.206	300	ug/ml
Aliphatic C21-C28	13.771	17.439	11401592	76.764	400	ug/ml
Aliphatic C28-C40	17.440	22.443	31492399	231.134	600	ug/ml
Aliphatic EPH	3.311	22.443	51602922	361.784		ug/ml
ortho-Terphenyl (SURR)	12.069	12.069	6109270	32.56		ug/ml
1-chlorooctadecane (SURR)	13.505	13.505	4881076	34.97		ug/ml
Aliphatic C9-C28	3.311	17.439	20110523	130.65	1200	ug/ml