

Report of Analysis

Client:	PSEG	Date Collected:	10/02/25
Project:	Federal Square Sub	Date Received:	10/02/25
Client Sample ID:	EG1-TP2-E2	SDG No.:	Q3269
Lab Sample ID:	Q3269-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93
Sample Wt/Vol:	30.04	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 19:49	PB169970

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	7.98		1	1.27	2.15	mg/kg FE056175.D
Aliphatic C9-C28	Aliphatic C9-C28	7.25		1	0.98	4.29	mg/kg FE056175.D
Total AliphaticEPH	Total AliphaticEPH	15.2			2.25	6.44	mg/kg
Total EPH	Total EPH	15.2			2.25	6.44	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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Sample Wt/Vol:	30.04 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
FE056175.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	7.25		0.98	4.29	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.98		1.27	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.5		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.7		40 - 140	77%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3269-05	Acq On:	03 Oct 2025 19:49
Client Sample ID:	EG1-TP2-E2	Operator:	YP\AJ
Data file:	FE056175.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.944	414342	2.959	300	ug/ml
Aliphatic C12-C16	6.945	10.393	1049111	6.84	200	ug/ml
Aliphatic C16-C21	10.394	13.770	13802026	83.205	300	ug/ml
Aliphatic C21-C28	13.771	17.439	1224282	8.243	400	ug/ml
Aliphatic C28-C40	17.440	22.443	15178787	111.402	600	ug/ml
Aliphatic EPH	3.311	22.443	31668548	212.649		ug/ml
ortho-Terphenyl (SURR)	12.070	12.070	7257508	38.68		ug/ml
1-chlorooctadecane (SURR)	13.506	13.506	5650688	40.49		ug/ml
Aliphatic C9-C28	3.311	17.439	16489761	101.247	1200	ug/ml