

Report of Analysis

Client:	PSEG	Date Collected:	04/16/25
Project:	Jersey Ave Sub ISRA	Date Received:	04/16/25
Client Sample ID:	SOIL-CUTTING	SDG No.:	Q1821
Lab Sample ID:	Q1821-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.3
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
04/17/25 11:10	04/17/25 15:23	PB167630

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	6.61		1	1.30	2.21	mg/kg FC068621.D
Aliphatic C9-C28	Aliphatic C9-C28	5.06		1	1.01	4.43	mg/kg FC068621.D
Total AliphaticEPH	Total AliphaticEPH	11.7			2.31	6.64	mg/kg
Total EPH	Total EPH	11.7			2.31	6.64	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:	90.3
Sample Wt/Vol:	30.06 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
FC068621.D	1	04/17/25	04/17/25	PB167630

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.06		1.01	4.43	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.61		1.30	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	46.2		40 - 140	92%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	44.8		40 - 140	90%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1821-01	Acq On:	17 Apr 2025 15:23
Client Sample ID:	SOIL-CUTTING	Operator:	YP/AJ
Data file:	FC068621.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.346	6.649	381311	3.622	300	ug/ml
Aliphatic C12-C16	6.650	10.049	508339	4.968	200	ug/ml
Aliphatic C16-C21	10.050	13.417	5022147	50.823	300	ug/ml
Aliphatic C21-C28	13.418	17.083	873436	9.274	400	ug/ml
Aliphatic C28-C40	17.084	22.088	8063933	89.716	600	ug/ml
Aliphatic EPH	3.346	22.088	14849166	158.402		ug/ml
ortho-Terphenyl (SURR)	11.722	11.722	5705463	44.81		ug/ml
1-chlorooctadecane (SURR)	13.155	13.155	4294761	46.23		ug/ml
Aliphatic C9-C28	3.346	17.083	6785233	68.687	1200	ug/ml