

Report of Analysis

Client:	PSEG	Date Collected:	04/17/25
Project:	PL-714 Watchung	Date Received:	04/18/25
Client Sample ID:	PL-714-23	SDG No.:	Q1842
Lab Sample ID:	Q1842-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	77.7
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
04/21/25 08:20	04/21/25 19:06	PB167658

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	8.64		1	1.51	2.57	mg/kg	FC068664.D
Aliphatic C9-C28	Aliphatic C9-C28	4.22	J	1	1.17	5.13	mg/kg	FC068664.D
Total AliphaticEPH	Total AliphaticEPH	12.9			2.68	7.70	mg/kg	
Total EPH	Total EPH	12.9			2.68	7.70	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:	77.7
Sample Wt/Vol:	30.08 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
FC068664.D	1	04/21/25	04/21/25	PB167658

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.22	J	1.17	5.13	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.64		1.51	2.57	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.0		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.4		40 - 140	67%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1842-04	Acq On:	21 Apr 2025 19:06
Client Sample ID:	PL-714-23	Operator:	YP/AJ
Data file:	FC068664.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.346	6.647	415922	3.951	300	ug/ml
Aliphatic C12-C16	6.648	10.048	529217	5.172	200	ug/ml
Aliphatic C16-C21	10.049	13.416	1702743	17.231	300	ug/ml
Aliphatic C21-C28	13.417	17.083	2172474	23.066	400	ug/ml
Aliphatic C28-C40	17.084	22.092	9071892	100.93	600	ug/ml
Aliphatic EPH	3.346	22.092	13892248	150.35		ug/ml
ortho-Terphenyl (SURR)	11.719	11.719	4254726	33.41		ug/ml
1-chlorooctadecane (SURR)	13.152	13.152	3340612	35.96		ug/ml
Aliphatic C9-C28	3.346	17.083	4820356	49.42	1200	ug/ml