

Report of Analysis

Client:	PSEG	Date Collected:	11/05/24
Project:	Market Street Substation	Date Received:	11/06/24
Client Sample ID:	TP2	SDG No.:	P4737
Lab Sample ID:	P4737-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.4
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
11/07/24 09:50	11/07/24 19:11	PB164751

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	34.1		1	1.97	2.18	mg/kg FE051092.D
Aliphatic C9-C28	Aliphatic C9-C28	6.11		1	1.88	4.37	mg/kg FE051092.D
Total AliphaticEPH	Total AliphaticEPH	40.2			3.85	6.55	mg/kg
Total EPH	Total EPH	40.2			3.85	6.55	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

Report of Analysis

Client:	PSEG	Date Collected:	11/05/24
Project:	Market Street Substation	Date Received:	11/06/24
Client Sample ID:	TP2	SDG No.:	P4737
Lab Sample ID:	P4737-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.4
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051092.D	1	11/07/24	11/07/24	PB164751

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	6.11		1.88	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	34.1		1.97	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.8		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.8		40 - 140	68%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4737-01	Acq On:	07 Nov 2024 19:11
Client Sample ID:	TP2	Operator:	YP\AJ
Data file:	FE051092.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.140	6.757	1887619	13.491	300	ug/ml
Aliphatic C12-C16	6.758	10.189	1183377	8.414	200	ug/ml
Aliphatic C16-C21	10.190	13.548	6242510	45.312	300	ug/ml
Aliphatic C21-C28	13.549	17.202	2222608	16.593	400	ug/ml
Aliphatic C28-C40	17.203	22.047	60393664	469.083	600	ug/ml
Aliphatic EPH	3.140	22.047	71929778	552.893		ug/ml
ortho-Terphenyl (SURR)	11.853	11.853	5077287	33.83		ug/ml
1-chlorooctadecane (SURR)	13.286	13.286	3833110	33.76		ug/ml
Aliphatic C9-C28	3.140	17.202	11536114	83.81	1200	ug/ml