

Report of Analysis

Client:	PSEG	Date Collected:	11/05/24
Project:	Market Street Substation	Date Received:	11/06/24
Client Sample ID:	TP2-E2	SDG No.:	P4737
Lab Sample ID:	P4737-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.7
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
11/07/24 09:50	11/07/24 19:41	PB164751

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	26.6		1	2.01	2.23	mg/kg	FE051093.D
Aliphatic C9-C28	Aliphatic C9-C28	4.07	J	1	1.92	4.45	mg/kg	FE051093.D
Total AliphaticEPH	Total AliphaticEPH	30.7			3.92	6.68	mg/kg	
Total EPH	Total EPH	30.7			3.92	6.68	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051093.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	4.07	J	1.92	4.45	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.6		2.01	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.0		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.9		40 - 140	72%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4737-02	Acq On:	07 Nov 2024 19:41
Client Sample ID:	TP2-E2	Operator:	YP\AJ
Data file:	FE051093.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.140	6.757	1923102	13.745	300	ug/ml
Aliphatic C12-C16	6.758	10.189	1191130	8.47	200	ug/ml
Aliphatic C16-C21	10.190	13.548	1853783	13.456	300	ug/ml
Aliphatic C21-C28	13.549	17.202	2559578	19.108	400	ug/ml
Aliphatic C28-C40	17.203	22.047	46093823	358.015	600	ug/ml
Aliphatic EPH	3.140	22.047	53621416	412.793		ug/ml
ortho-Terphenyl (SURR)	11.854	11.854	5392115	35.92		ug/ml
1-chlorooctadecane (SURR)	13.287	13.287	4093216	36.05		ug/ml
Aliphatic C9-C28	3.140	17.202	7527593	54.779	1200	ug/ml