

Report of Analysis

Client:	PSEG	Date Collected:	05/12/25
Project:	PSEG Catherine St Test Pits	Date Received:	05/13/25
Client Sample ID:	TP-A-EPH	SDG No.:	Q2020
Lab Sample ID:	Q2020-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.1
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
05/14/25 09:30	05/14/25 16:14	PB167999

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	12.3		1	1.39	2.35	mg/kg	FE053819.D
Aliphatic C9-C28	Aliphatic C9-C28	3.50	J	1	1.07	4.69	mg/kg	FE053819.D
Total AliphaticEPH	Total AliphaticEPH	15.8			2.46	7.04	mg/kg	
Total EPH	Total EPH	15.8			2.46	7.04	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:	05/12/25
Project:	PSEG Catherine St Test Pits	Date Received:	05/13/25
Client Sample ID:	TP-A-EPH	SDG No.:	Q2020
Lab Sample ID:	Q2020-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.1
Sample Wt/Vol:	30.02 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
FE053819.D	1	05/14/25	05/14/25	PB167999

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.50	J	1.07	4.69	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	12.3		1.39	2.35	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	52.0		40 - 140	104%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	49.3		40 - 140	99%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2020-02	Acq On:	14 May 2025 16:14
Client Sample ID:	TP-A-EPH	Operator:	YP\AJ
Data file:	FE053819.D	Misc:	
Instrument:	FID_E	ALS Vial:	9
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.101	6.742	466997	3.445	300	ug/ml
Aliphatic C12-C16	6.743	10.189	1025115	7.597	200	ug/ml
Aliphatic C16-C21	10.190	13.562	964225	7.31	300	ug/ml
Aliphatic C21-C28	13.563	17.229	3266362	26.304	400	ug/ml
Aliphatic C28-C40	17.230	22.109	18114801	156.932	600	ug/ml
Aliphatic EPH	3.101	22.109	23837500	201.587		ug/ml
ortho-Terphenyl (SURR)	11.852	11.852	8015838	49.32		ug/ml
1-chlorooctadecane (SURR)	13.297	13.297	6165052	52		ug/ml
Aliphatic C9-C28	3.101	17.229	5722699	44.656	1200	ug/ml