

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	SDG No.:	Q2020
Lab Sample ID:	Q2020-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.5
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
05/14/25 09:30	05/14/25 15:44	PB167999

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	6.88		1	1.43	2.42	mg/kg	FE053818.D
Aliphatic C9-C28	Aliphatic C9-C28	2.68	J	1	1.10	4.84	mg/kg	FE053818.D
Total AliphaticEPH	Total AliphaticEPH	9.56			2.53	7.26	mg/kg	
Total EPH	Total EPH	9.56			2.53	7.26	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:	82.5
Sample Wt/Vol:	30.07 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
FE053818.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	2.68	J	1.10	4.84	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.88		1.43	2.42	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	51.1		40 - 140	102%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	47.9		40 - 140	96%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2020-01	Acq On:	14 May 2025 15:44
Client Sample ID:	TP-A	Operator:	YP\AJ
Data file:	FE053818.D	Misc:	
Instrument:	FID_E	ALS Vial:	8
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.101	6.742	309630	2.284	300	ug/ml
Aliphatic C12-C16	6.743	10.189	859242	6.368	200	ug/ml
Aliphatic C16-C21	10.190	13.562	738174	5.596	300	ug/ml
Aliphatic C21-C28	13.563	17.229	2350866	18.932	400	ug/ml
Aliphatic C28-C40	17.230	22.109	9849115	85.325	600	ug/ml
Aliphatic EPH	3.101	22.109	14107027	118.504		ug/ml
ortho-Terphenyl (SURR)	11.853	11.853	7784445	47.9		ug/ml
1-chlorooctadecane (SURR)	13.297	13.297	6058842	51.11		ug/ml
Aliphatic C9-C28	3.101	17.229	4257912	33.18	1200	ug/ml