

Report of Analysis

Client:	PSEG	Date Collected:	09/24/25
Project:	D-3404 Stop Joint Project	Date Received:	09/24/25
Client Sample ID:	ETGI-367	SDG No.:	Q3200
Lab Sample ID:	Q3200-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.5
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
09/26/25 09:35	09/29/25 15:52	PB169859

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	19.5		1	1.43	2.42	mg/kg	FE056047.D
Aliphatic C9-C28	Aliphatic C9-C28	2.24	J	1	1.10	4.84	mg/kg	FE056047.D
Total AliphaticEPH	Total AliphaticEPH	21.7			2.53	7.26	mg/kg	
Total EPH	Total EPH	21.7			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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056047.D	1	09/26/25	09/29/25	PB169859

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.24	J	1.10	4.84	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	19.5		1.43	2.42	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.5		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.3		40 - 140	59%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3200-02	Acq On:	29 Sep 2025 15:52
Client Sample ID:	ETGI-367	Operator:	YP\AJ
Data file:	FE056047.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.315	6.946	433129	3.093	300	ug/ml
Aliphatic C12-C16	6.947	10.396	980139	6.39	200	ug/ml
Aliphatic C16-C21	10.397	13.773	958293	5.777	300	ug/ml
Aliphatic C21-C28	13.774	17.443	1852799	12.474	400	ug/ml
Aliphatic C28-C40	17.444	22.449	32975579	242.019	600	ug/ml
Aliphatic EPH	3.315	22.449	37199939	269.754		ug/ml
ortho-Terphenyl (SURR)	12.074	12.074	5504287	29.33		ug/ml
1-chlorooctadecane (SURR)	13.509	13.509	4528601	32.45		ug/ml
Aliphatic C9-C28	3.315	17.443	4224360	27.734	1200	ug/ml