

Report of Analysis

Client:	PSEG	Date Collected:	09/29/25
Project:	Pennsauken M&R	Date Received:	09/29/25
Client Sample ID:	13-1	SDG No.:	Q3245
Lab Sample ID:	Q3245-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.9
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
09/30/25 10:10	09/30/25 17:50	PB169910

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	8.20		1	1.25	2.12	mg/kg	FC069886.D
Aliphatic C9-C28	Aliphatic C9-C28	2.43	J	1	0.97	4.25	mg/kg	FC069886.D
Total AliphaticEPH	Total AliphaticEPH	10.6			2.22	6.37	mg/kg	
Total EPH	Total EPH	10.6			2.22	6.37	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069886.D	1	09/30/25	09/30/25	PB169910

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.43	J	0.97	4.25	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.20		1.25	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.8		40 - 140	58%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.9		40 - 140	60%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3245-01	Acq On:	30 Sep 2025 17:50
Client Sample ID:	13-1	Operator:	YP/AJ
Data file:	FC069886.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.284	6.578	3086242	23.114	300	ug/ml
Aliphatic C12-C16	6.579	9.980	942882	6.018	200	ug/ml
Aliphatic C16-C21	9.981	13.346	931183	5.186	300	ug/ml
Aliphatic C21-C28	13.347	17.008	1120312	6.192	400	ug/ml
Aliphatic C28-C40	17.009	21.963	14896015	115.763	600	ug/ml
Aliphatic EPH	3.284	21.963	20976634	156.273		ug/ml
ortho-Terphenyl (SURR)	11.646	11.646	5591586	29.85		ug/ml
1-chlorooctadecane (SURR)	13.081	13.081	4550820	28.82		ug/ml
Aliphatic C9-C28	3.284	17.008	6080619	40.51	1200	ug/ml