

Report of Analysis

Client:	PSEG	Date Collected:	09/29/25
Project:	Pennsauken M&R	Date Received:	09/29/25
Client Sample ID:	13-1-EPH-B	SDG No.:	Q3245
Lab Sample ID:	Q3245-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.2
Sample Wt/Vol:	30.03	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 16:36	PB169910

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	17.3		1	1.26	2.14	mg/kg	FG016702.D
Aliphatic C9-C28	Aliphatic C9-C28	4.29	U	1	0.98	4.29	mg/kg	FG016702.D
Total AliphaticEPH	Total AliphaticEPH	17.3			2.23	6.42	mg/kg	
Total EPH	Total EPH	17.3			2.23	6.42	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
FG016702.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	0.000	U	0.98	4.29	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.3		1.26	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.3		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.7		40 - 140	57%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3245-04	Acq On:	30 Sep 2025 16:36
Client Sample ID:	13-1-EPH-B	Operator:	YP\AJ
Data file:	FG016702.D	Misc:	
Instrument:	FID_G	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.276	6.919	392520	3.398	300	ug/ml
Aliphatic C12-C16	6.920	10.377	555428	4.605	200	ug/ml
Aliphatic C16-C21	10.378	13.767	691734	5.35	300	ug/ml
Aliphatic C21-C28	13.768	17.453	882602	6.85	400	ug/ml
Aliphatic C28-C40	17.454	22.487	24546815	242.033	600	ug/ml
Aliphatic EPH	3.276	22.487	27069099	262.238		ug/ml
ortho-Terphenyl (SURR)	12.058	12.058	4091152	28.68		ug/ml
1-chlorooctadecane (SURR)	13.504	13.504	3306399	29.29		ug/ml
Aliphatic C9-C28	3.276	17.453	2522284	20.203	1200	ug/ml