

Report of Analysis

Client:	PSEG	Date Collected:	06/02/25
Project:	BU-703 Willingboro	Date Received:	06/04/25
Client Sample ID:	BU-703-25B	SDG No.:	Q2208
Lab Sample ID:	Q2208-31	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	72.9
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/06/25 09:00	06/06/25 15:35	PB168308

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.29		1	1.62	2.74	mg/kg	FC069114.D
Aliphatic C9-C28	Aliphatic C9-C28	4.50	J	1	1.25	5.48	mg/kg	FC069114.D
Total AliphaticEPH	Total AliphaticEPH	8.79			2.87	8.22	mg/kg	
Total EPH	Total EPH	8.79			2.87	8.22	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 :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069114.D	1	06/06/25	06/06/25	PB168308

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.50	J	1.25	5.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.29		1.62	2.74	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	67.2		40 - 140	134%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	58.4		40 - 140	117%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2208-31	Acq On:	06 Jun 2025 15:35
Client Sample ID:	BU-703-25B	Operator:	YP/AJ
Data file:	FC069114.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.303	22.037	9260764	96.327		ug/ml
ortho-Terphenyl (SURR)	11.682	11.682	7197645	58.35		ug/ml
1-chlorooctadecane (SURR)	13.119	13.119	6025206	67.16		ug/ml
Aliphatic C9-C12	3.303	6.603	386521	3.656	300	ug/ml
Aliphatic C12-C16	6.604	10.008	1135175	11.131	200	ug/ml
Aliphatic C16-C21	10.009	13.379	1456018	14.878	300	ug/ml
Aliphatic C21-C28	13.380	17.049	1840251	19.618	400	ug/ml
Aliphatic C28-C40	17.050	22.037	4442799	47.044	600	ug/ml
Aliphatic C9-C28	3.303	17.049	4817965	49.283	1200	ug/ml