

Report of Analysis

Client:	PSEG	Date Collected:	06/02/25
Project:	BU-703 Willingboro	Date Received:	06/04/25
Client Sample ID:	BU-703-24A	SDG No.:	Q2208
Lab Sample ID:	Q2208-25	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.4
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/06/25 09:00	06/06/25 14:50	PB168308

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.56		1	1.43	2.42	mg/kg	FE054219.D
Aliphatic C9-C28	Aliphatic C9-C28	2.99	J	1	1.10	4.84	mg/kg	FE054219.D
Total AliphaticEPH	Total AliphaticEPH	8.55			2.53	7.26	mg/kg	
Total EPH	Total EPH	8.55			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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Client Sample ID:	BU-703-24A	SDG No.:	Q2208
Lab Sample ID:	Q2208-25	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.4
Sample Wt/Vol:	30.06 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
FE054219.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	2.99	J	1.10	4.84	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.56		1.43	2.42	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	64.5		40 - 140	129%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	57.6		40 - 140	115%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2208-25	Acq On:	06 Jun 2025 14:50
Client Sample ID:	BU-703-24A	Operator:	YP\AJ
Data file:	FE054219.D	Misc:	
Instrument:	FID_E	ALS Vial:	9
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.080	6.725	477033	3.519	300	ug/ml
Aliphatic C12-C16	6.726	10.172	1279097	9.479	200	ug/ml
Aliphatic C16-C21	10.173	13.547	910231	6.9	300	ug/ml
Aliphatic C21-C28	13.548	17.214	2127107	17.13	400	ug/ml
Aliphatic C28-C40	17.215	22.084	7942730	68.809	600	ug/ml
Aliphatic EPH	3.080	22.084	12736198	105.837		ug/ml
ortho-Terphenyl (SURR)	11.837	11.837	9364297	57.62		ug/ml
1-chlorooctadecane (SURR)	13.282	13.282	7649192	64.52		ug/ml
Aliphatic C9-C28	3.080	17.214	4793468	37.028	1200	ug/ml