

Report of Analysis

Client:	PSEG	Date Collected:	06/18/25
Project:	Secaucus HQ	Date Received:	06/18/25
Client Sample ID:	20071-E2	SDG No.:	Q2355
Lab Sample ID:	Q2355-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89
Sample Wt/Vol:	5.08	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/19/25 09:35	06/19/25 18:59	PB168552

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	1470		10	78.3	132	mg/kg	FE054503.D
Aliphatic C9-C28	Aliphatic C9-C28	219000		1000	6040	26500	mg/kg	FE054514.D
Total AliphaticEPH	Total AliphaticEPH	221000			6110	26700	mg/kg	
Total EPH	Total EPH	221000			6110	26700	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
FE054503.D	10	06/19/25	06/19/25	PB168552

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	197000	E	60.4	266	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1470		78.3	132	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	0.00		40 - 140	0%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2355-04	Acq On:	19 Jun 2025 18:59
Client Sample ID:	20071-E2	Operator:	YP\AJ
Data file:	FE054503.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.072	6.717	10788812	86.135	300	ug/ml
Aliphatic C12-C16	6.718	10.164	748799005	5710	200	ug/ml
Aliphatic C16-C21	10.165	13.537	3445307100	25700	300	ug/ml
Aliphatic C21-C28	13.538	17.203	1646743326	13000	400	ug/ml
Aliphatic C28-C40	17.204	22.070	42527315	331.609	600	ug/ml
Aliphatic EPH	3.072	22.070	5894165558	44800		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	0.000	0.000	0	0		ug/ml
Aliphatic C9-C28	3.072	17.203	5851638243	44500	1200	ug/ml