

Report of Analysis

Client:	PSEG	Date Collected:	01/31/25
Project:	Secaucus HQ	Date Received:	01/31/25
Client Sample ID:	ETGI-371-E2	SDG No.:	Q1262
Lab Sample ID:	Q1262-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.4
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
02/01/25 09:31	02/03/25 17:10	PB166469

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	23.5		1	2.08	2.31	mg/kg	FF015439.D
Aliphatic C9-C28	Aliphatic C9-C28	2.94	J	1	1.99	4.63	mg/kg	FF015439.D
Total AliphaticEPH	Total AliphaticEPH	26.4			4.07	6.94	mg/kg	
Total EPH	Total EPH	26.4			4.07	6.94	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
FF015439.D	1	02/01/25	02/03/25	PB166469

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.94	J	1.99	4.63	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	23.5		2.08	2.31	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.7		40 - 140	53%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.6		40 - 140	51%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1262-02	Acq On:	03 Feb 2025 17:10
Client Sample ID:	ETGI-371-E2	Operator:	YP\AJ
Data file:	FF015439.D	Misc:	
Instrument:	FID_F	ALS Vial:	77
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.213	6.835	339029	2.543	300	ug/ml
Aliphatic C12-C16	6.836	10.270	578842	4.182	200	ug/ml
Aliphatic C16-C21	10.271	13.640	2712330	18.776	300	ug/ml
Aliphatic C21-C28	13.641	17.307	2163054	15.188	400	ug/ml
Aliphatic C28-C40	17.308	22.219	32007156	305.743	600	ug/ml
Aliphatic EPH	3.213	22.219	37800411	346.433		ug/ml
ortho-Terphenyl (SURR)	11.940	11.940	4076347	25.64		ug/ml
1-chlorooctadecane (SURR)	13.379	13.379	3332321	26.73		ug/ml
Aliphatic C9-C28	3.213	17.307	5793255	40.689	1200	ug/ml