

Report of Analysis

Client:	PSEG	Date Collected:	01/31/25
Project:	Secaucus HQ	Date Received:	01/31/25
Client Sample ID:	ETGI-371	SDG No.:	Q1262
Lab Sample ID:	Q1262-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.1
Sample Wt/Vol:	30.08	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	02/04/25 10:09	PB166469

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	124		5	10.4	11.6	mg/kg FF015455.D
Aliphatic C9-C28	Aliphatic C9-C28	31.6		1	1.99	4.63	mg/kg FF015438.D
Total AliphaticEPH	Total AliphaticEPH	156			12.4	16.2	mg/kg
Total EPH	Total EPH	156			12.4	16.2	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
FF015438.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	31.6		1.99	4.63	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	127	E	2.09	2.32	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.2		40 - 140	58%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.9		40 - 140	48%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1262-01	Acq On:	03 Feb 2025 15:44
Client Sample ID:	ETGI-371	Operator:	YP\AJ
Data file:	FF015438.D	Misc:	
Instrument:	FID_F	ALS Vial:	76
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.213	6.835	552509	4.145	300	ug/ml
Aliphatic C12-C16	6.836	10.270	2091824	15.114	200	ug/ml
Aliphatic C16-C21	10.271	13.640	20813550	144.08	300	ug/ml
Aliphatic C21-C28	13.641	17.307	35600856	249.979	400	ug/ml
Aliphatic C28-C40	17.308	22.219	172733072	1650	600	ug/ml
Aliphatic EPH	3.213	22.219	231791811	2060		ug/ml
ortho-Terphenyl (SURR)	11.942	11.942	3792687	23.85		ug/ml
1-chlorooctadecane (SURR)	13.381	13.381	3636248	29.17		ug/ml
Aliphatic C9-C28	3.213	17.307	59058739	413.318	1200	ug/ml