

Report of Analysis

Client:	PSEG	Date Collected:	03/26/25
Project:	9th Ave Pole Yard	Date Received:	03/26/25
Client Sample ID:	RT3407	SDG No.:	Q1654
Lab Sample ID:	Q1654-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.2
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
03/27/25 09:55	03/27/25 16:52	PB167350

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	19.3		1	1.32	2.24	mg/kg	FE053021.D
Aliphatic C9-C28	Aliphatic C9-C28	340		10	10.2	44.8	mg/kg	FE053036.D
Total AliphaticEPH	Total AliphaticEPH	359			11.5	47.0	mg/kg	
Total EPH	Total EPH	359			11.5	47.0	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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Analytical Method:	NJEPH	% Solid:	89.2
Sample Wt/Vol:	30.08 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
FE053021.D	1	03/27/25	03/27/25	PB167350

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	327	E	1.02	4.47	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	19.3		1.32	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	67.6		40 - 140	135%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.9		40 - 140	72%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1654-01	Acq On:	27 Mar 2025 16:52
Client Sample ID:	RT3407	Operator:	YP\AJ
Data file:	FE053021.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.143	6.785	26388338	169.212	300	ug/ml
Aliphatic C12-C16	6.786	10.236	223084243	1470	200	ug/ml
Aliphatic C16-C21	10.237	13.612	304352690	2080	300	ug/ml
Aliphatic C21-C28	13.613	17.282	97407072	683.789	400	ug/ml
Aliphatic C28-C40	17.283	22.191	33065416	259.155	600	ug/ml
Aliphatic EPH	3.143	22.191	684297759	4660		ug/ml
ortho-Terphenyl (SURR)	11.909	11.909	6056596	35.93		ug/ml
1-chlorooctadecane (SURR)	13.352	13.352	8213704	67.64		ug/ml
Aliphatic C9-C28	3.143	17.282	651232343	4400	1200	ug/ml