

Report of Analysis

Client:	PSEG	Date Collected:	02/04/25
Project:	65 Duffield Ave	Date Received:	02/04/25
Client Sample ID:	72-11977	SDG No.:	Q1285
Lab Sample ID:	Q1285-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	73.5
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
02/05/25 10:10	02/06/25 12:30	PB166565

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	216		10	24.5	27.2	mg/kg FE052262.D
Aliphatic C9-C28	Aliphatic C9-C28	601		10	23.4	54.4	mg/kg FE052262.D
Total AliphaticEPH	Total AliphaticEPH	817			47.9	81.6	mg/kg
Total EPH	Total EPH	817			47.9	81.6	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
FE052250.D	1	02/05/25	02/05/25	PB166565

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	516	E	2.34	5.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	191	E	2.45	2.72	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	290		40 - 140	580%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.6		40 - 140	49%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1285-01	Acq On:	05 Feb 2025 20:55
Client Sample ID:	72-11977	Operator:	YP\AJ
Data file:	FE052250.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.648	22.673	805856921	7810		ug/ml
ortho-Terphenyl (SURR)	12.329	12.329	3049977	24.64		ug/ml
1-chlorooctadecane (SURR)	13.720	13.720	28627425	290.07		ug/ml
Aliphatic C9-C12	3.648	7.209	74892208	778.632	300	ug/ml
Aliphatic C12-C16	7.210	10.614	239362249	2290	200	ug/ml
Aliphatic C16-C21	10.615	13.961	194064398	1720	300	ug/ml
Aliphatic C21-C28	13.962	17.604	104244754	914.438	400	ug/ml
Aliphatic C28-C40	17.605	22.673	193293312	2110	600	ug/ml
Aliphatic C9-C28	3.648	17.604	612563609	5700	1200	ug/ml