

Report of Analysis

Client:	PSEG	Date Collected:	03/12/25
Project:	NB-418 Sayreville	Date Received:	03/12/25
Client Sample ID:	NB-418-JB-01	SDG No.:	Q1552
Lab Sample ID:	Q1552-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	74.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/13/25 09:50	03/13/25 19:30	PB167114

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	27.7		1	2.42	2.68	mg/kg	FE052786.D
Aliphatic C9-C28	Aliphatic C9-C28	3.16	J	1	2.31	5.37	mg/kg	FE052786.D
Total AliphaticEPH	Total AliphaticEPH	30.9			4.72	8.04	mg/kg	
Total EPH	Total EPH	30.9			4.72	8.04	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052786.D	1	03/13/25	03/13/25	PB167114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.16	J	2.31	5.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	27.7		2.42	2.68	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.4		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.0		40 - 140	80%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1552-03	Acq On:	13 Mar 2025 19:30
Client Sample ID:	NB-418-JB-01	Operator:	YP\AJ
Data file:	FE052786.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.150	6.794	1182394	7.582	300	ug/ml
Aliphatic C12-C16	6.795	10.247	834522	5.487	200	ug/ml
Aliphatic C16-C21	10.248	13.625	1055037	7.199	300	ug/ml
Aliphatic C21-C28	13.626	17.297	2154519	15.125	400	ug/ml
Aliphatic C28-C40	17.298	22.215	39454604	309.232	600	ug/ml
Aliphatic EPH	3.150	22.215	44681076	344.624		ug/ml
ortho-Terphenyl (SURR)	11.909	11.909	6735083	39.95		ug/ml
1-chlorooctadecane (SURR)	13.354	13.354	4783359	39.39		ug/ml
Aliphatic C9-C28	3.150	17.297	5226472	35.393	1200	ug/ml