

Report of Analysis

Client:	PSEG	Date Collected:	03/11/25
Project:	OR-620 Hackensack	Date Received:	03/11/25
Client Sample ID:	OR-620-JB-04	SDG No.:	Q1547
Lab Sample ID:	Q1547-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.4
Sample Wt/Vol:	30.08 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 17:01	PB167114

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	18.8		1	2.10	2.34	mg/kg	FE052781.D
Aliphatic C9-C28	Aliphatic C9-C28	4.68	U	1	2.01	4.68	mg/kg	FE052781.D
Total AliphaticEPH	Total AliphaticEPH	18.8			4.11	7.02	mg/kg	
Total EPH	Total EPH	18.8			4.11	7.02	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
FE052781.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	0.000	U	2.01	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	18.8		2.10	2.34	mg/kg
SURROGATES						
1-chlorooctadecane (SURRE)	1-chlorooctadecane (SURRE)	43.0		40 - 140	86%	SPK: 50
ortho-Terphenyl (SURRE)	ortho-Terphenyl (SURRE)	40.8		40 - 140	82%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1547-09	Acq On:	13 Mar 2025 17:01
Client Sample ID:	OR-620-JB-04	Operator:	YP\AJ
Data file:	FE052781.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	3.150	6.794	1143034	7.33	300	ug/ml
Aliphatic C12-C16	6.795	10.247	862246	5.669	200	ug/ml
Aliphatic C16-C21	10.248	13.625	698871	4.769	300	ug/ml
Aliphatic C21-C28	13.626	17.297	1691522	11.874	400	ug/ml
Aliphatic C28-C40	17.298	22.215	30742221	240.947	600	ug/ml
Aliphatic EPH	3.150	22.215	35137894	270.589		ug/ml
ortho-Terphenyl (SURR)	11.911	11.911	6876199	40.79		ug/ml
1-chlorooctadecane (SURR)	13.355	13.355	5222566	43.01		ug/ml
Aliphatic C9-C28	3.150	17.297	4395673	29.642	1200	ug/ml