

Report of Analysis

Client:	PSEG	Date Collected:	04/30/25
Project:	Hackensack Sub HQ	Date Received:	04/30/25
Client Sample ID:	291-E2	SDG No.:	Q1920
Lab Sample ID:	Q1920-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
05/01/25 08:45	05/01/25 13:48	PB167819

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.64		1	1.28	2.17	mg/kg	FE053604.D
Aliphatic C9-C28	Aliphatic C9-C28	2.30	J	1	0.99	4.35	mg/kg	FE053604.D
Total AliphaticEPH	Total AliphaticEPH	4.94	J		2.27	6.52	mg/kg	
Total EPH	Total EPH	4.94	J		2.27	6.52	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
FE053604.D	1	05/01/25	05/01/25	PB167819

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.30	J	0.99	4.35	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.64		1.28	2.17	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.8		40 - 140	54%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.8		40 - 140	52%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1920-02	Acq On:	01 May 2025 13:48
Client Sample ID:	291-E2	Operator:	YP\AJ
Data file:	FE053604.D	Misc:	
Instrument:	FID_E	ALS Vial:	7
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.114	6.754	418947	3.024	300	ug/ml
Aliphatic C12-C16	6.755	10.203	718369	5.066	200	ug/ml
Aliphatic C16-C21	10.204	13.577	853527	5.872	300	ug/ml
Aliphatic C21-C28	13.578	17.245	2524581	17.757	400	ug/ml
Aliphatic C28-C40	17.246	22.133	4708440	36.486	600	ug/ml
Aliphatic EPH	3.114	22.133	9223864	68.204		ug/ml
ortho-Terphenyl (SURR)	11.865	11.865	4652619	25.8		ug/ml
1-chlorooctadecane (SURR)	13.310	13.310	3623681	26.81		ug/ml
Aliphatic C9-C28	3.114	17.245	4515424	31.719	1200	ug/ml