

Report of Analysis

Client:	PSEG	Date Collected:	03/20/25
Project:	Port St- Newark Project	Date Received:	03/20/25
Client Sample ID:	TP-3	SDG No.:	Q1619
Lab Sample ID:	Q1619-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	77.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/21/25 09:40	03/21/25 18:20	PB167255

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.50	J	1	1.53	2.59	mg/kg	FE052918.D
Aliphatic C9-C28	Aliphatic C9-C28	3.36	J	1	1.18	5.17	mg/kg	FE052918.D
Total AliphaticEPH	Total AliphaticEPH	5.86	J		2.71	7.76	mg/kg	
Total EPH	Total EPH	5.86	J		2.71	7.76	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052918.D	1	03/21/25	03/21/25	PB167255

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.36	J	1.18	5.17	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.50	J	1.53	2.59	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.4		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.5		40 - 140	67%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1619-09	Acq On:	21 Mar 2025 18:20
Client Sample ID:	TP-3	Operator:	YP\AJ
Data file:	FE052918.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.144	6.788	1307096	8.382	300	ug/ml
Aliphatic C12-C16	6.789	10.240	1145695	7.533	200	ug/ml
Aliphatic C16-C21	10.241	13.619	1351977	9.225	300	ug/ml
Aliphatic C21-C28	13.620	17.290	1959053	13.752	400	ug/ml
Aliphatic C28-C40	17.291	22.206	3698895	28.991	600	ug/ml
Aliphatic EPH	3.144	22.206	9462716	67.883		ug/ml
ortho-Terphenyl (SURR)	11.905	11.905	5641949	33.47		ug/ml
1-chlorooctadecane (SURR)	13.349	13.349	4176457	34.4		ug/ml
Aliphatic C9-C28	3.144	17.290	5763821	38.892	1200	ug/ml