284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG	Date Collected:	03/20/25
Project:	Port St- Newark Project	Date Received:	03/20/25
Client Sample ID:	TP-1	SDG No.:	Q1619
Lab Sample ID:	Q1619-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.5
Sample Wt/Vol:	30.09 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 15:48	PB167255

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.83		1	1.41	2.39	mg/kg	FE052913.D
Aliphatic C9-C28	Aliphatic C9-C28	2.70	J	1	1.09	4.77	mg/kg	FE052913.D
Total AliphaticEPH	Total AliphaticEPH	5.53	J		2.50	7.16	mg/kg	
Total EPH	Total EPH	5.53	J		2.50	7.16	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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Report of Analysis

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Project:	Port St- Newark Project	Date Received:	03/20/25
Client Sample ID:	TP-1	SDG No.:	Q1619
Lab Sample ID:	Q1619-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.5
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052913.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		2.70	J	1.09	4.77	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		2.83		1.41	2.39	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		38.5		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		37.1		40 - 140	74%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1619-05	Acq On:	21 Mar 2025 15:48
Client Sample ID:	TP-1	Operator:	YP\AJ
Data file:	FE052913.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.144	6.788	1021677	6.551	300	ug/ml
Aliphatic C12-C16	6.789	10.240	1266590	8.327	200	ug/ml
Aliphatic C16-C21	10.241	13.619	1138771	7.771	300	ug/ml
Aliphatic C21-C28	13.620	17.290	1609627	11.299	400	ug/ml
Aliphatic C28-C40	17.291	22.206	4538400	35.57	600	ug/ml
Aliphatic EPH	3.144	22.206	9575065	69.519		ug/ml
ortho-Terphenyl (SURR)	11.906	11.906	6260007	37.13		ug/ml
1-chlorooctadecane (SURR)	13.352	13.352	4676544	38.51		ug/ml
Aliphatic C9-C28	3.144	17.290	5036665	33.948	1200	ug/ml