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-5	SDG No.:	Q1619
Lab Sample ID:	Q1619-13	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.2
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
03/21/25 09:40	03/21/25 19:20	PB167255

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	25.2		1	1.42	2.40	mg/kg	FE052920.D
Aliphatic C9-C28	Aliphatic C9-C28	105		2	2.18	9.60	mg/kg	FE052937.D
Total AliphaticEPH	Total AliphaticEPH	130			3.60	12.0	mg/kg	
Total EPH	Total EPH	130			3.60	12.0	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
FE052920.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	97.3	E	1.09	4.80	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	25.2		1.42	2.40	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	48.1		40 - 140	96%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.5		40 - 140	67%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1619-13	Acq On:	21 Mar 2025 19:20
Client Sample ID:	TP-5	Operator:	YP\AJ
Data file:	FE052920.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	3.144	6.788	2162393	13.866	300	ug/ml
Aliphatic C12-C16	6.789	10.240	12265140	80.639	200	ug/ml
Aliphatic C16-C21	10.241	13.619	87505684	597.112	300	ug/ml
Aliphatic C21-C28	13.620	17.290	74558112	523.392	400	ug/ml
Aliphatic C28-C40	17.291	22.206	40134037	314.557	600	ug/ml
Aliphatic EPH	3.144	22.206	216625366	1530		ug/ml
ortho-Terphenyl (SURR)	11.905	11.905	5642335	33.47		ug/ml
1-chlorooctadecane (SURR)	13.350	13.350	5836782	48.07		ug/ml
Aliphatic C9-C28	3.144	17.290	176491329	1220	1200	ug/ml