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

Report of Analysis

Client:	PSEG	Date Collected:	07/30/25
Project:	PSEG-104 Fair St -Paterson	Date Received:	07/01/25
Client Sample ID:	WC-1-EPH	SDG No.:	Q2478
Lab Sample ID:	Q2478-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/02/25 11:05	07/02/25 22:20	PB168702

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	26.2		1	1.28	2.17	mg/kg	FC069363.D
Aliphatic C9-C28	Aliphatic C9-C28	2.57	J	1	0.99	4.35	mg/kg	FC069363.D
Total AliphaticEPH	Total AliphaticEPH	28.8			2.27	6.52	mg/kg	
Total EPH	Total EPH	28.8			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
FC069363.D	1	07/02/25	07/02/25	PB168702

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		2.57	J	0.99	4.35	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		26.2		1.28	2.17	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		29.5		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		28.7		40 - 140	57%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2478-02	Acq On:	02 Jul 2025 22:20
Client Sample ID:	WC-1-EPH	Operator:	YP/AJ
Data file:	FC069363.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.304	6.604	2256302	15.383	300	ug/ml
Aliphatic C12-C16	6.605	10.008	786475	4.94	200	ug/ml
Aliphatic C16-C21	10.009	13.377	997650	6.46	300	ug/ml
Aliphatic C21-C28	13.378	17.043	1174888	8.77	400	ug/ml
Aliphatic C28-C40	17.044	22.026	33425373	362.829	600	ug/ml
Aliphatic EPH	3.304	22.026	38640688	398.381		ug/ml
ortho-Terphenyl (SURR)	11.679	11.679	4953962	28.68		ug/ml
1-chlorooctadecane (SURR)	13.116	13.116	3853116	29.49		ug/ml
Aliphatic C9-C28	3.304	17.043	5215315	35.553	1200	ug/ml