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:	Garfield Ave Sub			Date Received:	07/30/25
Client Sample ID:	7211931-VNJ240			SDG No.:	Q2728
Lab Sample ID:	Q2728-01			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	93.8
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
07/31/25 09:05	07/31/25 16:48	PB169067

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	14.9		1	1.26	2.13	mg/kg	FE055097.D
Aliphatic C9-C28	Aliphatic C9-C28	3.79	J	1	0.97	4.25	mg/kg	FE055097.D
Total AliphaticEPH	Total AliphaticEPH	18.7			2.23	6.38	mg/kg	
Total EPH	Total EPH	18.7			2.23	6.38	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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Analytical Method:	NJEPH		% Solid:	93.8	
Sample Wt/Vol:	30.05 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
FE055097.D	1	07/31/25	07/31/25	PB169067

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		3.79	J	0.97	4.25	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		14.9		1.26	2.13	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		32.8		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		31.6		40 - 140	63%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2728-01	Acq On:	31 Jul 2025 16:48
Client Sample ID:	7211931-VNJ240	Operator:	YP\AJ
Data file:	FE055097.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.960	565880	4.564	300	ug/ml
Aliphatic C12-C16	6.961	10.414	824215	6.201	200	ug/ml
Aliphatic C16-C21	10.415	13.793	1939492	14.79	300	ug/ml
Aliphatic C21-C28	13.794	17.465	3482094	27.911	400	ug/ml
Aliphatic C28-C40	17.466	22.493	25320230	210.146	600	ug/ml
Aliphatic EPH	3.325	22.493	32131911	263.613		ug/ml
ortho-Terphenyl (SURR)	12.089	12.089	4679806	31.62		ug/ml
1-chlorooctadecane (SURR)	13.525	13.525	3672966	32.8		ug/ml
Aliphatic C9-C28	3.325	17.465	6811681	53.466	1200	ug/ml