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

Report of Analysis

Client:	PSEG			Date Collected:	10/08/25
Project:	Hackensack Sub HQ			Date Received:	10/08/25
Client Sample ID:	72-11989-E2			SDG No.:	Q3315
Lab Sample ID:	Q3315-04			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	96.3
Sample Wt/Vol:	30.06	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
10/09/25 09:55	10/09/25 14:53	PB170039

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	9.11		1	1.22	2.07	mg/kg	FE056273.D
Aliphatic C9-C28	Aliphatic C9-C28	2.38	J	1	0.94	4.15	mg/kg	FE056273.D
Total AliphaticEPH	Total AliphaticEPH	11.5			2.16	6.22	mg/kg	
Total EPH	Total EPH	11.5			2.16	6.22	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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Client Sample ID:	72-11989-E2	SDG No.:	Q3315
Lab Sample ID:	Q3315-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.3
Sample Wt/Vol:	30.06 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
FE056273.D	1	10/09/25	10/09/25	PB170039

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		2.38	J	0.94	4.15	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		9.11		1.22	2.07	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		32.6		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		31.1		40 - 140	62%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3315-04	Acq On:	09 Oct 2025 14:53
Client Sample ID:	72-11989-E2	Operator:	YP\AJ
Data file:	FE056273.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.305	6.938	381770	2.726	300	ug/ml
Aliphatic C12-C16	6.939	10.388	1002475	6.536	200	ug/ml
Aliphatic C16-C21	10.389	13.765	1188966	7.168	300	ug/ml
Aliphatic C21-C28	13.766	17.434	2676644	18.021	400	ug/ml
Aliphatic C28-C40	17.435	22.434	17965691	131.856	600	ug/ml
Aliphatic EPH	3.305	22.434	23215546	166.308		ug/ml
ortho-Terphenyl (SURR)	12.063	12.063	5837572	31.11		ug/ml
1-chlorooctadecane (SURR)	13.499	13.499	4555408	32.64		ug/ml
Aliphatic C9-C28	3.305	17.434	5249855	34.451	1200	ug/ml