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

Report of Analysis

Client:	PSEG	Date Collected:	06/04/25
Project:	Hackensack Sub HQ	Date Received:	06/04/25
Client Sample ID:	72-11995	SDG No.:	Q2219
Lab Sample ID:	Q2219-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.3
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
06/05/25 10:10	06/06/25 3:56	PB168301

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	9.17		1	1.30	2.21	mg/kg	FC069101.D
Aliphatic C9-C28	Aliphatic C9-C28	7.18		1	1.00	4.41	mg/kg	FC069101.D
Total AliphaticEPH	Total AliphaticEPH	16.3			2.31	6.62	mg/kg	
Total EPH	Total EPH	16.3			2.31	6.62	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:	72-11995	SDG No.:	Q2219
Lab Sample ID:	Q2219-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.3
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
FC069101.D	1	06/05/25	06/06/25	PB168301

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	7.18		1.00	4.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.17		1.30	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	59.0		40 - 140	118%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	56.8		40 - 140	114%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2219-01	Acq On:	06 Jun 2025 03:56
Client Sample ID:	72-11995	Operator:	YP/AJ
Data file:	FC069101.D	Misc:	
Instrument:	FID_C	ALS Vial:	31
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.301	6.603	459499	4.346	300	ug/ml
Aliphatic C12-C16	6.604	10.008	1301602	12.763	200	ug/ml
Aliphatic C16-C21	10.009	13.380	2894861	29.58	300	ug/ml
Aliphatic C21-C28	13.381	17.047	4764317	50.79	400	ug/ml
Aliphatic C28-C40	17.048	22.036	11763267	124.559	600	ug/ml
Aliphatic EPH	3.301	22.036	21183546	222.039		ug/ml
ortho-Terphenyl (SURR)	11.680	11.680	7002223	56.77		ug/ml
1-chlorooctadecane (SURR)	13.116	13.116	5295933	59.03		ug/ml
Aliphatic C9-C28	3.301	17.047	9420279	97.479	1200	ug/ml