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

Report of Analysis

Client:	PSEG			Date Collected:	
Project:	New Freedom Switch			Date Received:	
Client Sample ID:	TP2MS			SDG No.:	Q3297
Lab Sample ID:	Q3297-11MS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	88.9
Sample Wt/Vol:	30.08	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
10/07/25 10:00	10/07/25 18:35	PB170007

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	63.3	E	1	1.32	2.24	mg/kg	FC069953.D
Aliphatic C9-C28	Aliphatic C9-C28	141	E	1	1.02	4.49	mg/kg	FC069953.D
Total AliphaticEPH	Total AliphaticEPH	204			2.34	6.73	mg/kg	
Total EPH	Total EPH	204			2.34	6.73	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:	88.9	
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Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069953.D	1	10/07/25	10/07/25	PB170007

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		141	E	1.02	4.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		63.3	E	1.32	2.24	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		32.1		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		29.0		40 - 140	58%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3297-11MS	Acq On:	07 Oct 2025 18:35
Client Sample ID:	Q3297-11MS	Operator:	YP/AJ
Data file:	FC069953.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.284	6.577	39844182	275.195	300	ug/ml
Aliphatic C12-C16	6.578	9.977	71208588	434.776	200	ug/ml
Aliphatic C16-C21	9.978	13.345	85485355	527.865	300	ug/ml
Aliphatic C21-C28	13.346	17.008	94581791	642.791	400	ug/ml
Aliphatic C28-C40	17.009	21.963	91038549	846.084	600	ug/ml
Aliphatic EPH	3.284	21.963	382158465	2730		ug/ml
ortho-Terphenyl (SURR)	11.646	11.646	5096711	29.02		ug/ml
1-chlorooctadecane (SURR)	13.081	13.081	4361188	32.13		ug/ml
Aliphatic C9-C28	3.284	17.008	291119916	1880	1200	ug/ml