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

Report of Analysis

Client:	PSEG	Date Collected:	05/07/25
Project:	OR-636 Oradell and New Milford	Date Received:	05/08/25
Client Sample ID:	OR-636-06	SDG No.:	Q1983
Lab Sample ID:	Q1983-11	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.2
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
05/09/25 09:02	05/09/25 19:33	PB167926

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.41		1	1.35	2.29	mg/kg	FC068820.D
Aliphatic C9-C28	Aliphatic C9-C28	8.00		1	1.04	4.57	mg/kg	FC068820.D
Total AliphaticEPH	Total AliphaticEPH	10.4			2.39	6.86	mg/kg	
Total EPH	Total EPH	10.4			2.39	6.86	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
05/09/25 09:02	05/09/25 19:33	PB167926

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Lab Sample ID:	Q1983-11	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.2
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
FC068820.D	1	05/09/25	05/09/25	PB167926

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	8.00		1.04	4.57	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.41		1.35	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.5		40 - 140	87%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.4		40 - 140	81%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1983-11	Acq On:	09 May 2025 19:33
Client Sample ID:	OR-636-06	Operator:	YP/AJ
Data file:	FC068820.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.342	6.642	294747	2.973	300	ug/ml
Aliphatic C12-C16	6.643	10.043	1007074	11.069	200	ug/ml
Aliphatic C16-C21	10.044	13.410	4772847	55.653	300	ug/ml
Aliphatic C21-C28	13.411	17.074	2922666	35.174	400	ug/ml
Aliphatic C28-C40	17.075	22.075	2667680	31.524	600	ug/ml
Aliphatic EPH	3.342	22.075	11665014	136.394		ug/ml
ortho-Terphenyl (SURR)	11.710	11.710	4608598	40.38		ug/ml
1-chlorooctadecane (SURR)	13.143	13.143	3488975	43.49		ug/ml
Aliphatic C9-C28	3.342	17.074	8997334	104.869	1200	ug/ml