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-636-19	SDG No.:	Q1983
Lab Sample ID:	Q1983-39	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.8
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
05/09/25 09:02	05/09/25 21:03	PB167926

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.63		1	1.39	2.35	mg/kg	FE053759.D
Aliphatic C9-C28	Aliphatic C9-C28	2.13	J	1	1.07	4.71	mg/kg	FE053759.D
Total AliphaticEPH	Total AliphaticEPH	4.76	J		2.46	7.06	mg/kg	
Total EPH	Total EPH	4.76	J		2.46	7.06	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:	84.8
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
FE053759.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		2.13	J	1.07	4.71	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		2.63		1.39	2.35	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		42.2		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		41.5		40 - 140	83%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1983-39	Acq On:	09 May 2025 21:03
Client Sample ID:	OR-636-19	Operator:	YP\AJ
Data file:	FE053759.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.105	6.747	426749	3.08	300	ug/ml
Aliphatic C12-C16	6.748	10.195	1456068	10.268	200	ug/ml
Aliphatic C16-C21	10.196	13.570	688848	4.739	300	ug/ml
Aliphatic C21-C28	13.571	17.238	1300725	9.149	400	ug/ml
Aliphatic C28-C40	17.239	22.119	4337653	33.612	600	ug/ml
Aliphatic EPH	3.105	22.119	8210043	60.848		ug/ml
ortho-Terphenyl (SURR)	11.857	11.857	7489461	41.52		ug/ml
1-chlorooctadecane (SURR)	13.301	13.301	5708636	42.23		ug/ml
Aliphatic C9-C28	3.105	17.238	3872390	27.236	1200	ug/ml