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-636-11	SDG No.:	Q1983
Lab Sample ID:	Q1983-22	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.9
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 17:02	PB167926

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.61		1	1.34	2.27	mg/kg	FE053751.D
Aliphatic C9-C28	Aliphatic C9-C28	1.52	J	1	1.03	4.55	mg/kg	FE053751.D
Total AliphaticEPH	Total AliphaticEPH	4.13	J		2.37	6.82	mg/kg	
Total EPH	Total EPH	4.13	J		2.37	6.82	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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05/09/25 09:02	05/09/25 17:02	PB167926

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Total EPH	Total EPH	4.13	J		2.37	6.82	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.

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Analytical Method:	NJEPH	% Solid:	87.9
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
FE053751.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		1.52	J	1.03	4.55	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		2.61		1.34	2.27	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		27.8		40 - 140	56%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		26.4		40 - 140	53%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1983-22	Acq On:	09 May 2025 17:02
Client Sample ID:	OR-636-11	Operator:	YP\AJ
Data file:	FE053751.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	3.105	6.747	325568	2.35	300	ug/ml
Aliphatic C12-C16	6.748	10.195	892605	6.295	200	ug/ml
Aliphatic C16-C21	10.196	13.570	491103	3.378	300	ug/ml
Aliphatic C21-C28	13.571	17.238	1140610	8.023	400	ug/ml
Aliphatic C28-C40	17.239	22.119	4441500	34.417	600	ug/ml
Aliphatic EPH	3.105	22.119	7291386	54.462		ug/ml
ortho-Terphenyl (SURR)	11.856	11.856	4756385	26.37		ug/ml
1-chlorooctadecane (SURR)	13.301	13.301	3760243	27.82		ug/ml
Aliphatic C9-C28	3.105	17.238	2849886	20.046	1200	ug/ml