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-636-04	SDG No.:	Q1983
Lab Sample ID:	Q1983-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.8
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
05/09/25 09:02	05/09/25 16:26	PB167926

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.31		1	1.36	2.30	mg/kg	FC068815.D
Aliphatic C9-C28	Aliphatic C9-C28	11.0		1	1.04	4.60	mg/kg	FC068815.D
Total AliphaticEPH	Total AliphaticEPH	14.4			2.40	6.90	mg/kg	
Total EPH	Total EPH	14.4			2.40	6.90	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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Prep Date :	Date Analyzed :	Prep Batch ID
05/09/25 09:02	05/09/25 16:26	PB167926

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Total EPH	Total EPH	14.4			2.40	6.90	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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Report of Analysis

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Project:	OR-636 Oradell and New Milford	Date Received:	05/08/25
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Lab Sample ID:	Q1983-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.8
Sample Wt/Vol:	30.08 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
FC068815.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	11.0		1.04	4.60	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.31		1.36	2.30	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.6		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.0		40 - 140	78%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1983-09	Acq On:	09 May 2025 16:26
Client Sample ID:	OR-636-04	Operator:	YP/AJ
Data file:	FC068815.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.342	6.642	259172	2.614	300	ug/ml
Aliphatic C12-C16	6.643	10.043	780935	8.583	200	ug/ml
Aliphatic C16-C21	10.044	13.410	9397958	109.584	300	ug/ml
Aliphatic C21-C28	13.411	17.074	1954861	23.527	400	ug/ml
Aliphatic C28-C40	17.075	22.075	3659983	43.251	600	ug/ml
Aliphatic EPH	3.342	22.075	16052909	187.559		ug/ml
ortho-Terphenyl (SURR)	11.711	11.711	4451784	39		ug/ml
1-chlorooctadecane (SURR)	13.144	13.144	3419751	42.63		ug/ml
Aliphatic C9-C28	3.342	17.074	12392926	144.308	1200	ug/ml