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

Report of Analysis

Client:	PSEG	Date Collected:	04/23/25
Project:	Aldene Switching Station	Date Received:	04/23/25
Client Sample ID:	VNJ211	SDG No.:	Q1867
Lab Sample ID:	Q1867-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/25/25 08:45	04/25/25 17:13	PB167736

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	7.02		1	1.46	2.47	mg/kg	FC068696.D
Aliphatic C9-C28	Aliphatic C9-C28	4.11	J	1	1.12	4.92	mg/kg	FC068696.D
Total AliphaticEPH	Total AliphaticEPH	11.1			2.58	7.39	mg/kg	
Total EPH	Total EPH	11.1			2.58	7.39	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 :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068696.D	1	04/25/25	04/25/25	PB167736

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		4.11	J	1.12	4.92	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		7.02		1.46	2.47	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		48.3		40 - 140	97%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		45.5		40 - 140	91%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1867-04	Acq On:	25 Apr 2025 17:13
Client Sample ID:	VNJ211	Operator:	YP/AJ
Data file:	FC068696.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	3.346	6.649	366090	3.477	300	ug/ml
Aliphatic C12-C16	6.650	10.051	623899	6.097	200	ug/ml
Aliphatic C16-C21	10.052	13.420	1396002	14.127	300	ug/ml
Aliphatic C21-C28	13.421	17.086	2468472	26.209	400	ug/ml
Aliphatic C28-C40	17.087	22.097	7673827	85.376	600	ug/ml
Aliphatic EPH	3.346	22.097	12528290	135.286		ug/ml
ortho-Terphenyl (SURR)	11.723	11.723	5791598	45.48		ug/ml
1-chlorooctadecane (SURR)	13.156	13.156	4483965	48.27		ug/ml
Aliphatic C9-C28	3.346	17.086	4854463	49.91	1200	ug/ml