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

Report of Analysis

Client:	PSEG	Date Collected:	07/23/25
Project:	Aldene Switching Station	Date Received:	07/23/25
Client Sample ID:	VNJ-251	SDG No.:	Q2687
Lab Sample ID:	Q2687-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85
Sample Wt/Vol:	30.1 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/25/25 08:15	07/25/25 13:43	PB169002

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	12.1		1	1.38	2.35	mg/kg	FE055024.D
Aliphatic C9-C28	Aliphatic C9-C28	4.44	J	1	1.07	4.68	mg/kg	FE055024.D
Total AliphaticEPH	Total AliphaticEPH	16.5			2.45	7.03	mg/kg	
Total EPH	Total EPH	16.5			2.45	7.03	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 Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055024.D	1	07/25/25	07/25/25	PB169002

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28		Aliphatic C9-C28	4.44	J	1.07	4.68	mg/kg
Aliphatic C28-C40		Aliphatic C28-C40	12.1		1.38	2.35	mg/kg
SURROGATES							
3383-33-2		1-chlorooctadecane (SURR)	44.3		40 - 140	88%	SPK: 50
84-15-1		ortho-Terphenyl (SURR)	43.5		40 - 140	87%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2687-01	Acq On:	25 Jul 2025 13:43
Client Sample ID:	VNJ-251	Operator:	YP\AJ
Data file:	FE055024.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.326	6.961	688197	5.058	300	ug/ml
Aliphatic C12-C16	6.962	10.415	1365629	9.715	200	ug/ml
Aliphatic C16-C21	10.416	13.795	2512325	17.399	300	ug/ml
Aliphatic C21-C28	13.796	17.465	3564861	24.644	400	ug/ml
Aliphatic C28-C40	17.466	22.494	21465376	154.82	600	ug/ml
Aliphatic EPH	3.326	22.494	29596388	211.637		ug/ml
ortho-Terphenyl (SURR)	12.095	12.095	7059640	43.47		ug/ml
1-chlorooctadecane (SURR)	13.531	13.531	5588844	44.25		ug/ml
Aliphatic C9-C28	3.326	17.465	8131012	56.816	1200	ug/ml