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-E2	SDG No.:	Q2687
Lab Sample ID:	Q2687-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.3
Sample Wt/Vol:	30.05 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 14:14	PB169002

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	9.32		1	1.32	2.24	mg/kg	FE055025.D
Aliphatic C9-C28	Aliphatic C9-C28	3.60	J	1	1.02	4.47	mg/kg	FE055025.D
Total AliphaticEPH	Total AliphaticEPH	12.9			2.34	6.71	mg/kg	
Total EPH	Total EPH	12.9			2.34	6.71	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

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-E2	SDG No.:	Q2687
Lab Sample ID:	Q2687-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.3
Sample Wt/Vol:	30.05 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
FE055025.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		3.60	J	1.02	4.47	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		9.32		1.32	2.24	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		36.6		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		35.9		40 - 140	72%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2687-02	Acq On:	25 Jul 2025 14:14
Client Sample ID:	VNJ-251-E2	Operator:	YP\AJ
Data file:	FE055025.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.326	6.961	372455	2.738	300	ug/ml
Aliphatic C12-C16	6.962	10.415	1170264	8.325	200	ug/ml
Aliphatic C16-C21	10.416	13.795	2202063	15.25	300	ug/ml
Aliphatic C21-C28	13.796	17.465	3183105	22.005	400	ug/ml
Aliphatic C28-C40	17.466	22.494	17339583	125.062	600	ug/ml
Aliphatic EPH	3.326	22.494	24267470	173.381		ug/ml
ortho-Terphenyl (SURR)	12.095	12.095	5829747	35.9		ug/ml
1-chlorooctadecane (SURR)	13.531	13.531	4620437	36.58		ug/ml
Aliphatic C9-C28	3.326	17.465	6927887	48.318	1200	ug/ml