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

Report of Analysis

Client:	PSEG	Date Collected:	09/08/25
Project:	Aldene Switching Station	Date Received:	09/08/25
Client Sample ID:	VNJ-258	SDG No.:	Q3048
Lab Sample ID:	Q3048-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.5
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
09/10/25 08:00	09/10/25 15:43	PB169635

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	16.1		1	1.33	2.26	mg/kg	FE055746.D
Aliphatic C9-C28	Aliphatic C9-C28	13.0		1	1.03	4.51	mg/kg	FE055746.D
Total AliphaticEPH	Total AliphaticEPH	29.1			2.36	6.77	mg/kg	
Total EPH	Total EPH	29.1			2.36	6.77	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
FE055746.D	1	09/10/25	09/10/25	PB169635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	13.0		1.03	4.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	16.1		1.33	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.0		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.7		40 - 140	81%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3048-01	Acq On:	10 Sep 2025 15:43
Client Sample ID:	VNJ-258	Operator:	YP\AJ
Data file:	FE055746.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	3.314	6.947	873926	6.806	300	ug/ml
Aliphatic C12-C16	6.948	10.400	3281465	24.29	200	ug/ml
Aliphatic C16-C21	10.401	13.779	6592812	45.714	300	ug/ml
Aliphatic C21-C28	13.780	17.450	13669237	95.432	400	ug/ml
Aliphatic C28-C40	17.451	22.463	29437798	213.752	600	ug/ml
Aliphatic EPH	3.314	22.463	53855238	385.994		ug/ml
ortho-Terphenyl (SURR)	12.077	12.077	6684494	40.69		ug/ml
1-chlorooctadecane (SURR)	13.513	13.513	5248414	41.97		ug/ml
Aliphatic C9-C28	3.314	17.450	24417440	172.242	1200	ug/ml