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:	Q3048-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.9
Sample Wt/Vol:	30.07 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 17:44	PB169635

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	14.7		1	1.31	2.22	mg/kg	FE055750.D
Aliphatic C9-C28	Aliphatic C9-C28	8.47		1	1.01	4.44	mg/kg	FE055750.D
Total AliphaticEPH	Total AliphaticEPH	23.2			2.32	6.66	mg/kg	
Total EPH	Total EPH	23.2			2.32	6.66	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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Sample Wt/Vol:	30.07 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
FE055750.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	8.47		1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	14.7		1.31	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.2		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.2		40 - 140	60%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3048-02	Acq On:	10 Sep 2025 17:44
Client Sample ID:	VNJ-258	Operator:	YP\AJ
Data file:	FE055750.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.314	6.947	678115	5.281	300	ug/ml
Aliphatic C12-C16	6.948	10.400	2197498	16.266	200	ug/ml
Aliphatic C16-C21	10.401	13.779	4151572	28.787	300	ug/ml
Aliphatic C21-C28	13.780	17.450	9196099	64.203	400	ug/ml
Aliphatic C28-C40	17.451	22.463	27374462	198.769	600	ug/ml
Aliphatic EPH	3.314	22.463	43597746	313.306		ug/ml
ortho-Terphenyl (SURR)	12.075	12.075	4959749	30.19		ug/ml
1-chlorooctadecane (SURR)	13.512	13.512	3906810	31.24		ug/ml
Aliphatic C9-C28	3.314	17.450	16223284	114.537	1200	ug/ml