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

Report of Analysis

Client:	PSEG	Date Collected:	09/30/25
Project:	Orange Gas	Date Received:	09/30/25
Client Sample ID:	SOIL-PILE-2-WC-EPH	SDG No.:	Q3256
Lab Sample ID:	Q3256-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.3
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
10/01/25 08:35	10/01/25 19:37	PB169929

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	30.2		1	1.31	2.21	mg/kg	FE056137.D
Aliphatic C9-C28	Aliphatic C9-C28	63.4		1	1.01	4.44	mg/kg	FE056137.D
Total AliphaticEPH	Total AliphaticEPH	93.6			2.32	6.65	mg/kg	
Total EPH	Total EPH	93.6			2.32	6.65	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
FE056137.D	1	10/01/25	10/01/25	PB169929

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		63.4		1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		30.2		1.31	2.21	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		41.1		40 - 140	82%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		32.0		40 - 140	64%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3256-06	Acq On:	01 Oct 2025 19:37
Client Sample ID:	SOIL-PILE-2-WC-EPH	Operator:	YP\AJ
Data file:	FE056137.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.312	6.945	1231632	8.796	300	ug/ml
Aliphatic C12-C16	6.946	10.396	13493588	87.977	200	ug/ml
Aliphatic C16-C21	10.397	13.772	62013763	373.848	300	ug/ml
Aliphatic C21-C28	13.773	17.442	57832996	389.377	400	ug/ml
Aliphatic C28-C40	17.443	22.449	55736018	409.066	600	ug/ml
Aliphatic EPH	3.312	22.449	190307997	1270		ug/ml
ortho-Terphenyl (SURR)	12.073	12.073	6002947	31.99		ug/ml
1-chlorooctadecane (SURR)	13.509	13.509	5738035	41.11		ug/ml
Aliphatic C9-C28	3.312	17.442	134571979	859.998	1200	ug/ml