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

Report of Analysis

Client:	PSEG	Date Collected:	06/20/25
Project:	Oakland Gas and Appliance Service MA00006789	Date Received:	06/20/25
Client Sample ID:	OK-01-6202025	SDG No.:	Q2384
Lab Sample ID:	Q2384-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/23/25 09:25	06/24/25 11:37	PB168581

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	110		10	13.2	22.4	mg/kg	FE054567.D
Aliphatic C9-C28	Aliphatic C9-C28	35.9		1	1.02	4.48	mg/kg	FE054553.D
Total AliphaticEPH	Total AliphaticEPH	146			14.2	26.9	mg/kg	
Total EPH	Total EPH	146			14.2	26.9	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
FE054553.D	1	06/23/25	06/23/25	PB168581

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	35.9		1.02	4.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	115	E	1.32	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	25.5		40 - 140	51%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	22.5		40 - 140	45%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2384-01	Acq On:	23 Jun 2025 22:02
Client Sample ID:	OK-01-6202025	Operator:	YP\AJ
Data file:	FE054553.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.072	6.718	1060991	8.471	300	ug/ml
Aliphatic C12-C16	6.719	10.166	6439045	49.096	200	ug/ml
Aliphatic C16-C21	10.167	13.539	23851198	178.092	300	ug/ml
Aliphatic C21-C28	13.540	17.209	31177362	245.358	400	ug/ml
Aliphatic C28-C40	17.210	22.077	199103998	1550	600	ug/ml
Aliphatic EPH	3.072	22.077	261632594	2030		ug/ml
ortho-Terphenyl (SURR)	11.825	11.825	3721190	22.52		ug/ml
1-chlorooctadecane (SURR)	13.271	13.271	3113872	25.53		ug/ml
Aliphatic C9-C28	3.072	17.209	62528596	481.017	1200	ug/ml