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

Report of Analysis

Client:	PSEG	Date Collected:	01/16/25
Project:	Oakland Gas and Appliance Service MA00006789	Date Received:	01/16/25
Client Sample ID:	OK-01-1-16-2025	SDG No.:	Q1118
Lab Sample ID:	Q1118-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
01/17/25 10:10	01/20/25 10:31	PB166099

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	64.8		2	3.82	4.24	mg/kg	FE051963.D
Aliphatic C9-C28	Aliphatic C9-C28	40.6		1	1.82	4.24	mg/kg	FE051957.D
Total AliphaticEPH	Total AliphaticEPH	105			5.64	8.48	mg/kg	
Total EPH	Total EPH	105			5.64	8.48	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051957.D	1	01/17/25	01/17/25	PB166099

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		40.6		1.82	4.24	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		63.0	E	1.91	2.12	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		46.7		40 - 140	93%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		38.3		40 - 140	77%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1118-01	Acq On:	17 Jan 2025 20:25
Client Sample ID:	OK-01-1-16-2025	Operator:	YP\AJ
Data file:	FE051957.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.508	7.090	4305774	39.268	300	ug/ml
Aliphatic C12-C16	7.091	10.508	20429868	168.543	200	ug/ml
Aliphatic C16-C21	10.509	13.863	27129671	206.8	300	ug/ml
Aliphatic C21-C28	13.864	17.513	21136453	160.053	400	ug/ml
Aliphatic C28-C40	17.514	22.545	95703588	891.99	600	ug/ml
Aliphatic EPH	3.508	22.545	168705354	1470		ug/ml
ortho-Terphenyl (SURR)	12.199	12.199	5474053	38.3		ug/ml
1-chlorooctadecane (SURR)	13.618	13.618	5356346	46.69		ug/ml
Aliphatic C9-C28	3.508	17.513	73001766	574.664	1200	ug/ml