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

Report of Analysis

Client:	PSEG	Date Collected:	04/18/25
Project:	Oakland Gas and Appliance Service MA00006789	Date Received:	04/18/25
Client Sample ID:	OK-04-04182025-E2	SDG No.:	Q1840
Lab Sample ID:	Q1840-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.2
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/21/25 08:00	04/22/25 8:23	PB167658

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	136		5	6.39	10.8	mg/kg	FC068671.D
Aliphatic C9-C28	Aliphatic C9-C28	12.6		1	0.99	4.32	mg/kg	FC068665.D
Total AliphaticEPH	Total AliphaticEPH	149			7.38	15.1	mg/kg	
Total EPH	Total EPH	149			7.38	15.1	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068665.D	1	04/21/25	04/21/25	PB167658

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		12.6		0.99	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		124	E	1.28	2.16	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		35.9		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		34.0		40 - 140	68%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1840-02	Acq On:	21 Apr 2025 19:43
Client Sample ID:	OK-04-04182025-E2	Operator:	YP/AJ
Data file:	FC068665.D	Misc:	
Instrument:	FID_C	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.346	6.647	514943	4.891	300	ug/ml
Aliphatic C12-C16	6.648	10.048	1224843	11.97	200	ug/ml
Aliphatic C16-C21	10.049	13.416	2865954	29.003	300	ug/ml
Aliphatic C21-C28	13.417	17.083	12091130	128.376	400	ug/ml
Aliphatic C28-C40	17.084	22.092	154534905	1720	600	ug/ml
Aliphatic EPH	3.346	22.092	171231775	1890		ug/ml
ortho-Terphenyl (SURR)	11.719	11.719	4329822	34		ug/ml
1-chlorooctadecane (SURR)	13.153	13.153	3333076	35.88		ug/ml
Aliphatic C9-C28	3.346	17.083	16696870	174.24	1200	ug/ml