

Report of Analysis

Client:	PSEG	Date Collected:	11/01/24
Project:	Oakland Gas and Appliance Service MA00006789	Date Received:	11/01/24
Client Sample ID:	OK-01-11012024	SDG No.:	P4685
Lab Sample ID:	P4685-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.1
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
11/05/24 09:56	11/06/24 10:19	PB164681

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	191		10	18.7	20.8	mg/kg	FE051063.D
Aliphatic C9-C28	Aliphatic C9-C28	21.2		1	1.79	4.16	mg/kg	FE051051.D
Total AliphaticEPH	Total AliphaticEPH	212			20.5	25.0	mg/kg	
Total EPH	Total EPH	212			20.5	25.0	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
FE051051.D	1	11/05/24	11/06/24	PB164681

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	21.2		1.79	4.16	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	187	E	1.87	2.08	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.0		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.0		40 - 140	56%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4685-01	Acq On:	06 Nov 2024 03:58
Client Sample ID:	OK-01-11012024	Operator:	YP\AJ
Data file:	FE051051.D	Misc:	
Instrument:	FID_E	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.140	6.760	628466	4.398	300	ug/ml
Aliphatic C12-C16	6.761	10.191	6458951	44.508	200	ug/ml
Aliphatic C16-C21	10.192	13.549	11079989	76.731	300	ug/ml
Aliphatic C21-C28	13.550	17.205	26265718	184.768	400	ug/ml
Aliphatic C28-C40	17.206	22.048	375050796	2710	600	ug/ml
Aliphatic EPH	3.140	22.048	419483920	3020		ug/ml
ortho-Terphenyl (SURR)	11.851	11.851	4411241	27.98		ug/ml
1-chlorooctadecane (SURR)	13.285	13.285	3667870	31.01		ug/ml
Aliphatic C9-C28	3.140	17.205	44433124	310.405	1200	ug/ml