

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-02-11012024-E2	SDG No.:	P4685
Lab Sample ID:	P4685-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.1
Sample Wt/Vol:	30.07 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 10:49	PB164681

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	224		10	18.9	21.0	mg/kg	FE051064.D
Aliphatic C9-C28	Aliphatic C9-C28	19.2		1	1.81	4.20	mg/kg	FE051052.D
Total AliphaticEPH	Total AliphaticEPH	243			20.7	25.2	mg/kg	
Total EPH	Total EPH	243			20.7	25.2	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
FE051052.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	19.2		1.81	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	222	E	1.89	2.10	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.8		40 - 140	54%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.3		40 - 140	53%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4685-02	Acq On:	06 Nov 2024 04:28
Client Sample ID:	OK-02-11012024-E2	Operator:	YP\AJ
Data file:	FE051052.D	Misc:	
Instrument:	FID_E	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.140	6.760	1332467	9.324	300	ug/ml
Aliphatic C12-C16	6.761	10.191	5893016	40.608	200	ug/ml
Aliphatic C16-C21	10.192	13.549	9356218	64.793	300	ug/ml
Aliphatic C21-C28	13.550	17.205	22740755	159.972	400	ug/ml
Aliphatic C28-C40	17.206	22.048	439222398	3180	600	ug/ml
Aliphatic EPH	3.140	22.048	478544854	3450		ug/ml
ortho-Terphenyl (SURR)	11.851	11.851	4150673	26.33		ug/ml
1-chlorooctadecane (SURR)	13.285	13.285	3169421	26.79		ug/ml
Aliphatic C9-C28	3.140	17.205	39322456	274.697	1200	ug/ml