

Report of Analysis

Client:	PSEG	Date Collected:	12/17/24
Project:	Oakland Gas	Date Received:	12/17/24
Client Sample ID:	SOIL-VNJ-222	SDG No.:	P5312
Lab Sample ID:	P5312-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
12/18/24 08:54	12/18/24 16:28	PB165706

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	21.0		1	1.89	2.10	mg/kg FE051684.D
Aliphatic C9-C28	Aliphatic C9-C28	4.63		1	1.81	4.20	mg/kg FE051684.D
Total AliphaticEPH	Total AliphaticEPH	25.6			3.70	6.30	mg/kg
Total EPH	Total EPH	25.6			3.70	6.30	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
FE051684.D	1	12/18/24	12/18/24	PB165706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.63		1.81	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.0		1.89	2.10	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.4		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.8		40 - 140	64%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5312-02	Acq On:	18 Dec 2024 16:28
Client Sample ID:	SOIL-VNJ-222	Operator:	YP\AJ
Data file:	FE051684.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.383	6.948	668648	5.36	300	ug/ml
Aliphatic C12-C16	6.949	10.351	2455452	17.73	200	ug/ml
Aliphatic C16-C21	10.352	13.689	3608160	24.976	300	ug/ml
Aliphatic C21-C28	13.690	17.319	3195234	23.437	400	ug/ml
Aliphatic C28-C40	17.320	22.187	32519816	299.54	600	ug/ml
Aliphatic EPH	3.383	22.187	42447310	371.043		ug/ml
ortho-Terphenyl (SURR)	12.008	12.008	5097799	31.75		ug/ml
1-chlorooctadecane (SURR)	13.428	13.428	4087763	32.4		ug/ml
Aliphatic C9-C28	3.383	17.319	9927494	71.503	1200	ug/ml