

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:	P5312-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.8
Sample Wt/Vol:	30.06	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 14:28	PB165706

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	26.9		1	2.05	2.27	mg/kg FE051680.D
Aliphatic C9-C28	Aliphatic C9-C28	9.38		1	1.96	4.56	mg/kg FE051680.D
Total AliphaticEPH	Total AliphaticEPH	36.3			4.00	6.83	mg/kg
Total EPH	Total EPH	36.3			4.00	6.83	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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Analytical Method:	NJEPH	% Solid:	87.8
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Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051680.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	9.38		1.96	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.9		2.05	2.27	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.9		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.3		40 - 140	71%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5312-01	Acq On:	18 Dec 2024 14:28
Client Sample ID:	SOIL-VNJ-222	Operator:	YP\AJ
Data file:	FE051680.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.383	6.948	919560	7.371	300	ug/ml
Aliphatic C12-C16	6.949	10.351	3832959	27.676	200	ug/ml
Aliphatic C16-C21	10.352	13.689	6114952	42.329	300	ug/ml
Aliphatic C21-C28	13.690	17.319	6309766	46.282	400	ug/ml
Aliphatic C28-C40	17.320	22.187	38517580	354.786	600	ug/ml
Aliphatic EPH	3.383	22.187	55694817	478.443		ug/ml
ortho-Terphenyl (SURR)	12.007	12.007	5670300	35.32		ug/ml
1-chlorooctadecane (SURR)	13.427	13.427	4534185	35.94		ug/ml
Aliphatic C9-C28	3.383	17.319	17177237	123.658	1200	ug/ml