

Report of Analysis

Client:	PSEG	Date Collected:	05/31/24
Project:	Victory Laydown Yard	Date Received:	05/31/24
Client Sample ID:	VNJ-223	SDG No.:	P2687
Lab Sample ID:	P2687-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.6
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
06/03/24 12:01	06/03/24 21:42	PB161291

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	7.61		1	1.90	2.11	mg/kg FE048522.D
Aliphatic C9-C28	Aliphatic C9-C28	8.45		1	1.81	4.21	mg/kg FE048522.D
Total AliphaticEPH	Total AliphaticEPH	16.1			3.71	6.32	mg/kg
Total EPH	Total EPH	16.1			3.71	6.32	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
FE048522.D	1	06/03/24	06/03/24	PB161291

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	8.45		1.81	4.21	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.61		1.90	2.11	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.5		40 - 140	91%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.3		40 - 140	83%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P2687-01	Acq On:	03 Jun 2024 21:42
Client Sample ID:	VNJ-223	Operator:	YP\AJ
Data file:	FE048522.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.237	6.851	347050	2.321	300	ug/ml
Aliphatic C12-C16	6.852	10.288	933385	6.601	200	ug/ml
Aliphatic C16-C21	10.289	13.650	2795951	20.93	300	ug/ml
Aliphatic C21-C28	13.651	17.308	11989052	92.71	400	ug/ml
Aliphatic C28-C40	17.309	22.202	14701575	108.135	600	ug/ml
Aliphatic EPH	3.237	22.202	30767013	230.697		ug/ml
ortho-Terphenyl (SURR)	11.950	11.950	5926405	41.27		ug/ml
1-chlorooctadecane (SURR)	13.384	13.384	4961898	45.55		ug/ml
Aliphatic C9-C28	3.237	17.308	16065438	122.562	1200	ug/ml