

Report of Analysis

Client:	PSEG	Date Collected:	05/31/24
Project:	Victory Laydown Yard	Date Received:	05/31/24
Client Sample ID:	VNJ-223-E2	SDG No.:	P2687
Lab Sample ID:	P2687-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.7
Sample Wt/Vol:	30.09	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 22:12	PB161291

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	15.6		1	1.90	2.11	mg/kg FE048523.D
Aliphatic C9-C28	Aliphatic C9-C28	8.74		1	1.81	4.20	mg/kg FE048523.D
Total AliphaticEPH	Total AliphaticEPH	24.3			3.71	6.31	mg/kg
Total EPH	Total EPH	24.3			3.71	6.31	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
FE048523.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	8.74		1.81	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	15.6		1.90	2.11	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	57.2		40 - 140	114%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	51.1		40 - 140	102%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P2687-02	Acq On:	03 Jun 2024 22:12
Client Sample ID:	VNJ-223-E2	Operator:	YP\AJ
Data file:	FE048523.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.237	6.851	452017	3.023	300	ug/ml
Aliphatic C12-C16	6.852	10.288	1312425	9.281	200	ug/ml
Aliphatic C16-C21	10.289	13.650	5241314	39.236	300	ug/ml
Aliphatic C21-C28	13.651	17.308	9844182	76.124	400	ug/ml
Aliphatic C28-C40	17.309	22.202	30254686	222.533	600	ug/ml
Aliphatic EPH	3.237	22.202	47104624	350.198		ug/ml
ortho-Terphenyl (SURR)	11.950	11.950	7339187	51.11		ug/ml
1-chlorooctadecane (SURR)	13.384	13.384	6235751	57.24		ug/ml
Aliphatic C9-C28	3.237	17.308	16849938	127.664	1200	ug/ml