

Report of Analysis

Client:	PSEG	Date Collected:	10/24/24
Project:	Clifton Gas	Date Received:	10/24/24
Client Sample ID:	VNJ-215	SDG No.:	P4545
Lab Sample ID:	P4545-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
10/25/24 09:00	10/25/24 17:16	PB164395

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	35.2		1	2.06	2.29	mg/kg FE050841.D
Aliphatic C9-C28	Aliphatic C9-C28	132		2	3.94	9.16	mg/kg FE050853.D
Total AliphaticEPH	Total AliphaticEPH	167			6.00	11.4	mg/kg
Total EPH	Total EPH	167			6.00	11.4	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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		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE050841.D	1	10/25/24	10/25/24	PB164395

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	131	E	1.97	4.59	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	35.2		2.06	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.7		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.9		40 - 140	68%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4545-01	Acq On:	25 Oct 2024 17:16
Client Sample ID:	VNJ-215	Operator:	YP\AJ
Data file:	FE050841.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.147	6.762	463264	3.242	300	ug/ml
Aliphatic C12-C16	6.763	10.194	21058382	145.112	200	ug/ml
Aliphatic C16-C21	10.195	13.554	174521035	1210	300	ug/ml
Aliphatic C21-C28	13.555	17.210	51626533	363.171	400	ug/ml
Aliphatic C28-C40	17.211	22.058	63669896	460.364	600	ug/ml
Aliphatic EPH	3.147	22.058	311339110	2180		ug/ml
ortho-Terphenyl (SURR)	11.862	11.862	5345452	33.91		ug/ml
1-chlorooctadecane (SURR)	13.296	13.296	4222182	35.69		ug/ml
Aliphatic C9-C28	3.147	17.210	247669214	1720	1200	ug/ml