

Report of Analysis

Client:	PSEG	Date Collected:	10/22/24
Project:	Burlington LNG	Date Received:	10/22/24
Client Sample ID:	RT-2675	SDG No.:	P4489
Lab Sample ID:	P4489-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.8
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
10/23/24 08:45	10/23/24 18:50	PB164337

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	12.7		1	1.98	2.20	mg/kg	FE050798.D
Aliphatic C9-C28	Aliphatic C9-C28	5070		100	189	439	mg/kg	FE050808.D
Total AliphaticEPH	Total AliphaticEPH	5080			191	442	mg/kg	
Total EPH	Total EPH	5080			191	442	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE050798.D	1	10/23/24	10/23/24	PB164337

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4930	E	1.89	4.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	12.7		1.98	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	117		40 - 140	233%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	146		40 - 140	292%	SPK: 50



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4489-01	Acq On:	23 Oct 2024 18:50
Client Sample ID:	RT-2675	Operator:	YP\AJ
Data file:	FE050798.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.150	6.767	1205128011	8430	300	ug/ml
Aliphatic C12-C16	6.768	10.200	4215079692	29000	200	ug/ml
Aliphatic C16-C21	10.201	13.561	3505924227	24300	300	ug/ml
Aliphatic C21-C28	13.562	17.217	774990864	5450	400	ug/ml
Aliphatic C28-C40	17.218	22.069	23926540	173.001	600	ug/ml
Aliphatic EPH	3.150	22.069	9725049334	67400		ug/ml
ortho-Terphenyl (SURR)	11.904	11.904	23002765	145.91		ug/ml
1-chlorooctadecane (SURR)	13.331	13.331	13809586	116.74		ug/ml
Aliphatic C9-C28	3.150	17.217	9701122794	67300	1200	ug/ml