

Report of Analysis

Client:	PSEG	Date Collected:	10/22/24
Project:	Burlington LNG	Date Received:	10/22/24
Client Sample ID:	RT-2675-E2	SDG No.:	P4489
Lab Sample ID:	P4489-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.5
Sample Wt/Vol:	30.01	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 19:20	PB164337

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	10.0		1	1.99	2.21	mg/kg	FE050799.D
Aliphatic C9-C28	Aliphatic C9-C28	4110		100	190	441	mg/kg	FE050809.D
Total AliphaticEPH	Total AliphaticEPH	4120			192	443	mg/kg	
Total EPH	Total EPH	4120			192	443	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
FE050799.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	3990	E	1.90	4.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	10.0		1.99	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	94.7		40 - 140	189%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.1		40 - 140	76%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4489-02	Acq On:	23 Oct 2024 19:20
Client Sample ID:	RT-2675-E2	Operator:	YP\AJ
Data file:	FE050799.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.150	6.767	1058940601	7410	300	ug/ml
Aliphatic C12-C16	6.768	10.200	3385467051	23300	200	ug/ml
Aliphatic C16-C21	10.201	13.561	2791542634	19300	300	ug/ml
Aliphatic C21-C28	13.562	17.217	587870753	4140	400	ug/ml
Aliphatic C28-C40	17.218	22.069	18839277	136.217	600	ug/ml
Aliphatic EPH	3.150	22.069	7842660316	54300		ug/ml
ortho-Terphenyl (SURR)	11.873	11.873	6006286	38.1		ug/ml
1-chlorooctadecane (SURR)	13.321	13.321	11203568	94.71		ug/ml
Aliphatic C9-C28	3.150	17.217	7823821039	54300	1200	ug/ml