

Report of Analysis

Client:	PSEG	Date Collected:	10/30/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	10/30/24
Client Sample ID:	TP-9	SDG No.:	P4643
Lab Sample ID:	P4643-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
11/01/24 08:50	11/01/24 21:35	PB164589

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.12		1	2.02	2.24	mg/kg	FE050977.D
Aliphatic C9-C28	Aliphatic C9-C28	2.51	J	1	1.93	4.48	mg/kg	FE050977.D
Total AliphaticEPH	Total AliphaticEPH	7.63			3.95	6.72	mg/kg	
Total EPH	Total EPH	7.63			3.95	6.72	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
FE050977.D	1	11/01/24	11/01/24	PB164589

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.51	J	1.93	4.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.12		2.02	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.2		40 - 140	82%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.6		40 - 140	81%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4643-09	Acq On:	01 Nov 2024 21:35
Client Sample ID:	TP-9	Operator:	YP\AJ
Data file:	FE050977.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.143	22.051	14629855	104.394		ug/ml
ortho-Terphenyl (SURR)	11.854	11.854	6394468	40.56		ug/ml
1-chlorooctadecane (SURR)	13.287	13.287	4872949	41.19		ug/ml
Aliphatic C9-C12	3.143	6.761	334807	2.343	300	ug/ml
Aliphatic C12-C16	6.762	10.193	1503192	10.358	200	ug/ml
Aliphatic C16-C21	10.194	13.552	1349399	9.345	300	ug/ml
Aliphatic C21-C28	13.553	17.208	1971874	13.871	400	ug/ml
Aliphatic C28-C40	17.209	22.051	9470583	68.477	600	ug/ml
Aliphatic C9-C28	3.143	17.208	5159272	35.917	1200	ug/ml