

Report of Analysis

Client:	PSEG	Date Collected:	12/02/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	12/02/24
Client Sample ID:	OR-640-187	SDG No.:	P5052
Lab Sample ID:	P5052-22	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.3
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
12/03/24 08:10	12/03/24 17:22	PB165336

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	8.99		1	1.89	2.10	mg/kg FC067909.D
Aliphatic C9-C28	Aliphatic C9-C28	4.74		1	1.80	4.20	mg/kg FC067909.D
Total AliphaticEPH	Total AliphaticEPH	13.7			3.69	6.30	mg/kg
Total EPH	Total EPH	13.7			3.69	6.30	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
FC067909.D	1	12/03/24	12/03/24	PB165336

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.74		1.80	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.99		1.89	2.10	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	47.5		40 - 140	95%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	44.6		40 - 140	89%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5052-22	Acq On:	03 Dec 2024 17:22
Client Sample ID:	OR-640-187	Operator:	YP/AJ
Data file:	FC067909.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.190	6.465	4999957	30.158	300	ug/ml
Aliphatic C12-C16	6.466	9.852	1519506	8.918	200	ug/ml
Aliphatic C16-C21	9.853	13.208	2249932	13.264	300	ug/ml
Aliphatic C21-C28	13.209	16.859	2424530	15.415	400	ug/ml
Aliphatic C28-C40	16.860	21.701	15568002	128.543	600	ug/ml
Aliphatic EPH	3.190	21.701	26761927	196.299		ug/ml
ortho-Terphenyl (SURR)	11.506	11.506	8651720	44.62		ug/ml
1-chlorooctadecane (SURR)	12.942	12.942	6888491	47.45		ug/ml
Aliphatic C9-C28	3.190	16.859	11193925	67.755	1200	ug/ml