

Report of Analysis

Client:	PSEG	Date Collected:	12/04/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	12/04/24
Client Sample ID:	MH-764-EPH	SDG No.:	P5095
Lab Sample ID:	P5095-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.7
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
12/05/24 09:55	12/05/24 18:28	PB165385

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	2.82		1	2.05	2.28	mg/kg FC067922.D
Aliphatic C9-C28	Aliphatic C9-C28	6.17		1	1.96	4.56	mg/kg FC067922.D
Total AliphaticEPH	Total AliphaticEPH	8.99			4.01	6.84	mg/kg
Total EPH	Total EPH	8.99			4.01	6.84	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
FC067922.D	1	12/05/24	12/05/24	PB165385

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	6.17		1.96	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.82		2.05	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.4		40 - 140	89%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.4		40 - 140	81%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5095-02	Acq On:	05 Dec 2024 18:28
Client Sample ID:	MH-764-EPH	Operator:	YP/AJ
Data file:	FC067922.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.153	21.680	17940390	118.369		ug/ml
ortho-Terphenyl (SURR)	11.476	11.476	7821942	40.35		ug/ml
1-chlorooctadecane (SURR)	12.916	12.916	6449502	44.43		ug/ml
Aliphatic C9-C12	3.153	6.431	6093904	36.756	300	ug/ml
Aliphatic C12-C16	6.432	9.823	2090636	12.27	200	ug/ml
Aliphatic C16-C21	9.824	13.182	2629359	15.501	300	ug/ml
Aliphatic C21-C28	13.183	16.838	2633747	16.746	400	ug/ml
Aliphatic C28-C40	16.839	21.680	4492744	37.096	600	ug/ml
Aliphatic C9-C28	3.153	16.838	13447646	81.273	1200	ug/ml