

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	SDG No.:	P5095
Lab Sample ID:	P5095-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.3
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
12/05/24 09:55	12/05/24 16:04	PB165385

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	2.60		1	2.03	2.26	mg/kg FC067918.D
Aliphatic C9-C28	Aliphatic C9-C28	10.1		1	1.94	4.52	mg/kg FC067918.D
Total AliphaticEPH	Total AliphaticEPH	12.7			3.97	6.78	mg/kg
Total EPH	Total EPH	12.7			3.97	6.78	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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Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067918.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	10.1		1.94	4.52	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.60		2.03	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.7		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.3		40 - 140	67%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5095-01	Acq On:	05 Dec 2024 16:04
Client Sample ID:	MH-764	Operator:	YP/AJ
Data file:	FC067918.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.153	21.680	26314695	167.837		ug/ml
ortho-Terphenyl (SURR)	11.475	11.475	6461339	33.33		ug/ml
1-chlorooctadecane (SURR)	12.915	12.915	5332279	36.73		ug/ml
Aliphatic C9-C12	3.153	6.431	6012736	36.267	300	ug/ml
Aliphatic C12-C16	6.432	9.823	3050976	17.906	200	ug/ml
Aliphatic C16-C21	9.824	13.182	8533169	50.307	300	ug/ml
Aliphatic C21-C28	13.183	16.838	4542769	28.883	400	ug/ml
Aliphatic C28-C40	16.839	21.680	4175045	34.473	600	ug/ml
Aliphatic C9-C28	3.153	16.838	22139650	133.363	1200	ug/ml