

Report of Analysis

Client:	PSEG	Date Collected:	12/07/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	12/09/24
Client Sample ID:	MH-743-EPH	SDG No.:	P5216
Lab Sample ID:	P5216-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.9
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
12/10/24 09:15	12/10/24 15:06	PB165523

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	9.89		1	2.00	2.22	mg/kg	FE051609.D
Aliphatic C9-C28	Aliphatic C9-C28	2.54	J	1	1.91	4.44	mg/kg	FE051609.D
Total AliphaticEPH	Total AliphaticEPH	12.4			3.91	6.66	mg/kg	
Total EPH	Total EPH	12.4			3.91	6.66	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
FE051609.D	1	12/10/24	12/10/24	PB165523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.54	J	1.91	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.89		2.00	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	50.0		40 - 140	100%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	44.2		40 - 140	88%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5216-06	Acq On:	10 Dec 2024 15:06
Client Sample ID:	MH-743-EPH	Operator:	YP\AJ
Data file:	FE051609.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.119	6.735	205506	1.453	300	ug/ml
Aliphatic C12-C16	6.736	10.168	854952	6.075	200	ug/ml
Aliphatic C16-C21	10.169	13.527	1451114	10.432	300	ug/ml
Aliphatic C21-C28	13.528	17.184	2324134	17.768	400	ug/ml
Aliphatic C28-C40	17.185	22.021	14298708	133.508	600	ug/ml
Aliphatic EPH	3.119	22.021	19134414	169.237		ug/ml
ortho-Terphenyl (SURR)	11.829	11.829	6681735	44.22		ug/ml
1-chlorooctadecane (SURR)	13.263	13.263	5593606	50.05		ug/ml
Aliphatic C9-C28	3.119	17.184	4835706	35.728	1200	ug/ml