284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG	Date Collected:	10/24/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	10/24/24
Client Sample ID:	BP-F-20-EPH	SDG No.:	P4547
Lab Sample ID:	P4547-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.2
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/25/24 09:00	10/25/24 19:16	PB164395

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	10.4		1	2.08	2.31	mg/kg	FE050845.D
Aliphatic C9-C28	Aliphatic C9-C28	4.63	U	1	1.99	4.63	mg/kg	FE050845.D
Total AliphaticEPH	Total AliphaticEPH	10.4			4.07	6.94	mg/kg	
Total EPH	Total EPH	10.4			4.07	6.94	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
FE050845.D	1	10/25/24	10/25/24	PB164395

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		0.000	U	1.99	4.63	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		10.4		2.08	2.31	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		47.0		40 - 140	94%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		44.7		40 - 140	89%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4547-06	Acq On:	25 Oct 2024 19:16
Client Sample ID:	BP-F-20-EPH	Operator:	YP\AJ
Data file:	FE050845.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.147	6.762	531038	3.716	300	ug/ml
Aliphatic C12-C16	6.763	10.194	1326873	9.143	200	ug/ml
Aliphatic C16-C21	10.195	13.554	1192874	8.261	300	ug/ml
Aliphatic C21-C28	13.555	17.210	1662084	11.692	400	ug/ml
Aliphatic C28-C40	17.211	22.058	18601203	134.496	600	ug/ml
Aliphatic EPH	3.147	22.058	23314072	167.308		ug/ml
ortho-Terphenyl (SURR)	11.859	11.859	7051773	44.73		ug/ml
1-chlorooctadecane (SURR)	13.293	13.293	5559444	47		ug/ml
Aliphatic C9-C28	3.147	17.210	4712869	32.812	1200	ug/ml