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

Report of Analysis

Client:	PSEG	Date Collected:	10/25/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	10/25/24
Client Sample ID:	BP-F-19-EPH	SDG No.:	P4561
Lab Sample ID:	P4561-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.5
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
10/26/24 09:00	10/28/24 11:32	PB164436

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.52		1	2.01	2.23	mg/kg	FG014526.D
Aliphatic C9-C28	Aliphatic C9-C28	3.49	J	1	1.92	4.47	mg/kg	FG014526.D
Total AliphaticEPH	Total AliphaticEPH	8.01			3.93	6.70	mg/kg	
Total EPH	Total EPH	8.01			3.93	6.70	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
FG014526.D	1	10/26/24	10/28/24	PB164436

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		3.49	J	1.92	4.47	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		4.52		2.01	2.23	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		25.6		40 - 140	51%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		25.2		40 - 140	50%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4561-02	Acq On:	28 Oct 2024 11:32
Client Sample ID:	BP-F-19-EPH	Operator:	YP\AJ
Data file:	FG014526.D	Misc:	
Instrument:	FID_G	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.242	6.863	4906287	37.355	300	ug/ml
Aliphatic C12-C16	6.864	10.305	553014	4.072	200	ug/ml
Aliphatic C16-C21	10.306	13.674	773397	5.475	300	ug/ml
Aliphatic C21-C28	13.675	17.337	951071	6.765	400	ug/ml
Aliphatic C28-C40	17.338	22.267	6423320	60.777	600	ug/ml
Aliphatic EPH	3.242	22.267	13607089	114.444		ug/ml
ortho-Terphenyl (SURR)	11.970	11.970	3860188	25.19		ug/ml
1-chlorooctadecane (SURR)	13.407	13.407	3147117	25.63		ug/ml
Aliphatic C9-C28	3.242	17.337	7183769	53.667	1200	ug/ml