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

Report of Analysis

Client:	PSEG	Date Collected:	10/30/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	10/30/24
Client Sample ID:	BP-F8-EPH	SDG No.:	P4643
Lab Sample ID:	P4643-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/01/24 08:50	11/01/24 21:04	PB164589

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	7.21		1	2.08	2.31	mg/kg	FE050976.D
Aliphatic C9-C28	Aliphatic C9-C28	4.61	U	1	1.99	4.61	mg/kg	FE050976.D
Total AliphaticEPH	Total AliphaticEPH	7.21			4.07	6.92	mg/kg	
Total EPH	Total EPH	7.21			4.07	6.92	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
FE050976.D	1	11/01/24	11/01/24	PB164589

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		0.000	U	1.99	4.61	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		7.21		2.08	2.31	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		20.6		40 - 140	41%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		21.0		40 - 140	42%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4643-06	Acq On:	01 Nov 2024 21:04
Client Sample ID:	BP-F8-EPH	Operator:	YP\AJ
Data file:	FE050976.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.143	22.051	16345760	117.335		ug/ml
ortho-Terphenyl (SURR)	11.852	11.852	3304005	20.96		ug/ml
1-chlorooctadecane (SURR)	13.285	13.285	2435038	20.58		ug/ml
Aliphatic C9-C12	3.143	6.761	261599	1.831	300	ug/ml
Aliphatic C12-C16	6.762	10.193	735815	5.07	200	ug/ml
Aliphatic C16-C21	10.194	13.552	683009	4.73	300	ug/ml
Aliphatic C21-C28	13.553	17.208	1702453	11.976	400	ug/ml
Aliphatic C28-C40	17.209	22.051	12962884	93.728	600	ug/ml
Aliphatic C9-C28	3.143	17.208	3382876	23.607	1200	ug/ml