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

Report of Analysis

Client:	PSEG	Date Collected:	12/06/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	12/06/24
Client Sample ID:	MH-761	SDG No.:	P5196
Lab Sample ID:	P5196-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
12/09/24 09:15	12/09/24 14:27	PB165478

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	20.4		1	2.11	2.34	mg/kg	FE051589.D
Aliphatic C9-C28	Aliphatic C9-C28	4.68	U	1	2.02	4.68	mg/kg	FE051589.D
Total AliphaticEPH	Total AliphaticEPH	20.4			4.13	7.02	mg/kg	
Total EPH	Total EPH	20.4			4.13	7.02	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
FE051589.D	1	12/09/24	12/09/24	PB165478

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		0.000	U	2.02	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		20.4		2.11	2.34	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		32.2		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		30.6		40 - 140	61%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5196-01	Acq On:	09 Dec 2024 14:27
Client Sample ID:	MH-761	Operator:	YP\AJ
Data file:	FE051589.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.117	6.731	324861	2.297	300	ug/ml
Aliphatic C12-C16	6.732	10.162	641958	4.561	200	ug/ml
Aliphatic C16-C21	10.163	13.521	950666	6.834	300	ug/ml
Aliphatic C21-C28	13.522	17.175	1050950	8.035	400	ug/ml
Aliphatic C28-C40	17.176	22.007	27988204	261.329	600	ug/ml
Aliphatic EPH	3.117	22.007	30956639	283.056		ug/ml
ortho-Terphenyl (SURR)	11.825	11.825	4629815	30.64		ug/ml
1-chlorooctadecane (SURR)	13.258	13.258	3601905	32.23		ug/ml
Aliphatic C9-C28	3.117	17.175	2968435	21.727	1200	ug/ml