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

Report of Analysis

Client:	PSEG	Date Collected:	12/03/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	12/03/24
Client Sample ID:	MH-737-EPH	SDG No.:	P5072
Lab Sample ID:	P5072-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.1
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
12/04/24 08:18	12/04/24 16:40	PB165355

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	10.2		1	2.02	2.24	mg/kg	FE051533.D
Aliphatic C9-C28	Aliphatic C9-C28	140		2	3.85	8.96	mg/kg	FE051543.D
Total AliphaticEPH	Total AliphaticEPH	150			5.87	11.2	mg/kg	
Total EPH	Total EPH	150			5.87	11.2	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
FE051533.D	1	12/04/24	12/04/24	PB165355

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		144	E	1.93	4.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		10.2		2.02	2.24	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		35.2		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		31.6		40 - 140	63%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5072-02	Acq On:	04 Dec 2024 16:40
Client Sample ID:	MH-737-EPH	Operator:	YP\AJ
Data file:	FE051533.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.122	6.735	26832557	189.718	300	ug/ml
Aliphatic C12-C16	6.736	10.167	139240853	989.343	200	ug/ml
Aliphatic C16-C21	10.168	13.525	96826815	696.095	300	ug/ml
Aliphatic C21-C28	13.526	17.179	7268653	55.57	400	ug/ml
Aliphatic C28-C40	17.180	22.010	14604971	136.368	600	ug/ml
Aliphatic EPH	3.122	22.010	284773849	2070		ug/ml
ortho-Terphenyl (SURR)	11.829	11.829	4772941	31.58		ug/ml
1-chlorooctadecane (SURR)	13.262	13.262	3935067	35.21		ug/ml
Aliphatic C9-C28	3.122	17.179	270168878	1930	1200	ug/ml