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

Report of Analysis

Client:	PSEG	Date Collected:	12/07/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	12/09/24
Client Sample ID:	TP-12	SDG No.:	P5216
Lab Sample ID:	P5216-13	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.7
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
12/10/24 09:15	12/10/24 16:06	PB165523

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	10.4		1	2.15	2.38	mg/kg	FE051611.D
Aliphatic C9-C28	Aliphatic C9-C28	4.76	U	1	2.05	4.76	mg/kg	FE051611.D
Total AliphaticEPH	Total AliphaticEPH	10.4			4.20	7.14	mg/kg	
Total EPH	Total EPH	10.4			4.20	7.14	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
FE051611.D	1	12/10/24	12/10/24	PB165523

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		0.000	U	2.05	4.76	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		10.4		2.15	2.38	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		24.3		40 - 140	49%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		22.7		40 - 140	45%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5216-13	Acq On:	10 Dec 2024 16:06
Client Sample ID:	TP-12	Operator:	YP\AJ
Data file:	FE051611.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.119	6.735	183370	1.297	300	ug/ml
Aliphatic C12-C16	6.736	10.168	1162709	8.261	200	ug/ml
Aliphatic C16-C21	10.169	13.527	862894	6.203	300	ug/ml
Aliphatic C21-C28	13.528	17.184	1066432	8.153	400	ug/ml
Aliphatic C28-C40	17.185	22.021	13986167	130.59	600	ug/ml
Aliphatic EPH	3.119	22.021	17261572	154.505		ug/ml
ortho-Terphenyl (SURR)	11.827	11.827	3424023	22.66		ug/ml
1-chlorooctadecane (SURR)	13.260	13.260	2718944	24.33		ug/ml
Aliphatic C9-C28	3.119	17.184	3275405	23.914	1200	ug/ml