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

Report of Analysis

Client:	PSEG	Date Collected:	11/18/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	11/18/24
Client Sample ID:	MH-759	SDG No.:	P4910
Lab Sample ID:	P4910-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/19/24 09:45	11/19/24 18:07	PB165088

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.84		1	2.04	2.27	mg/kg	FE051354.D
Aliphatic C9-C28	Aliphatic C9-C28	8.55		1	1.95	4.53	mg/kg	FE051354.D
Total AliphaticEPH	Total AliphaticEPH	14.4			3.99	6.80	mg/kg	
Total EPH	Total EPH	14.4			3.99	6.80	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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CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
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Aliphatic C9-C28	Aliphatic C9-C28	8.55		1	1.95	4.53	mg/kg	FE051354.D
Total AliphaticEPH	Total AliphaticEPH	14.4			3.99	6.80	mg/kg	
Total EPH	Total EPH	14.4			3.99	6.80	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.

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Analytical Method:	NJEPH	% Solid:	88
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051354.D	1	11/19/24	11/19/24	PB165088

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	8.55		1.95	4.53	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.84		2.04	2.27	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.0		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.3		40 - 140	72%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4910-05	Acq On:	19 Nov 2024 18:07
Client Sample ID:	MH-759	Operator:	YP\AJ
Data file:	FE051354.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	3.136	6.752	987378	7.057	300	ug/ml
Aliphatic C12-C16	6.753	10.184	3668202	26.083	200	ug/ml
Aliphatic C16-C21	10.185	13.543	8676042	62.976	300	ug/ml
Aliphatic C21-C28	13.544	17.198	2280840	17.027	400	ug/ml
Aliphatic C28-C40	17.199	22.041	9946887	77.258	600	ug/ml
Aliphatic EPH	3.136	22.041	25559349	190.401		ug/ml
ortho-Terphenyl (SURR)	11.847	11.847	5441270	36.25		ug/ml
1-chlorooctadecane (SURR)	13.279	13.279	4092541	36.05		ug/ml
Aliphatic C9-C28	3.136	17.198	15612462	113.143	1200	ug/ml