

Report of Analysis

Client:	PSEG	Date Collected:	10/23/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	10/23/24
Client Sample ID:	BP-F22	SDG No.:	P4508
Lab Sample ID:	P4508-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.8
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/24/24 10:10	10/24/24 19:46	PB164367

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.12		1	1.98	2.20	mg/kg	FE050824.D
Aliphatic C9-C28	Aliphatic C9-C28	4.40	U	1	1.89	4.40	mg/kg	FE050824.D
Total AliphaticEPH	Total AliphaticEPH	5.12	J		3.87	6.60	mg/kg	
Total EPH	Total EPH	5.12	J		3.87	6.60	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
FE050824.D	1	10/24/24	10/24/24	PB164367

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.000	U	1.89	4.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.12		1.98	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.9		40 - 140	56%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.4		40 - 140	53%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4508-09	Acq On:	24 Oct 2024 19:46
Client Sample ID:	BP-F22	Operator:	YP\AJ
Data file:	FE050824.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.147	6.766	952812	6.668	300	ug/ml
Aliphatic C12-C16	6.767	10.198	1259691	8.68	200	ug/ml
Aliphatic C16-C21	10.199	13.559	891754	6.176	300	ug/ml
Aliphatic C21-C28	13.560	17.216	1315168	9.252	400	ug/ml
Aliphatic C28-C40	17.217	22.066	9641265	69.711	600	ug/ml
Aliphatic EPH	3.147	22.066	14060690	100.486		ug/ml
ortho-Terphenyl (SURR)	11.858	11.858	4155719	26.36		ug/ml
1-chlorooctadecane (SURR)	13.291	13.291	3296888	27.87		ug/ml
Aliphatic C9-C28	3.147	17.216	4419425	30.776	1200	ug/ml