

Report of Analysis

Client:	PSEG	Date Collected:	12/02/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	12/02/24
Client Sample ID:	OR-640-186	SDG No.:	P5052
Lab Sample ID:	P5052-18	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.3
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
12/03/24 08:10	12/03/24 17:15	PB165336

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	16.7		1	2.03	2.26	mg/kg	FE051514.D
Aliphatic C9-C28	Aliphatic C9-C28	4.42	J	1	1.94	4.52	mg/kg	FE051514.D
Total AliphaticEPH	Total AliphaticEPH	21.1			3.97	6.78	mg/kg	
Total EPH	Total EPH	21.1			3.97	6.78	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
FE051514.D	1	12/03/24	12/03/24	PB165336

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.42	J	1.94	4.52	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	16.7		2.03	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	51.3		40 - 140	103%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.6		40 - 140	91%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5052-18	Acq On:	03 Dec 2024 17:15
Client Sample ID:	OR-640-186	Operator:	YP\AJ
Data file:	FE051514.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.122	6.736	2276602	16.097	300	ug/ml
Aliphatic C12-C16	6.737	10.168	1202993	8.548	200	ug/ml
Aliphatic C16-C21	10.169	13.526	2080083	14.954	300	ug/ml
Aliphatic C21-C28	13.527	17.180	2497769	19.096	400	ug/ml
Aliphatic C28-C40	17.181	22.012	23750724	221.763	600	ug/ml
Aliphatic EPH	3.122	22.012	31808171	280.457		ug/ml
ortho-Terphenyl (SURR)	11.832	11.832	6897648	45.64		ug/ml
1-chlorooctadecane (SURR)	13.265	13.265	5733053	51.3		ug/ml
Aliphatic C9-C28	3.122	17.180	8057447	58.695	1200	ug/ml