

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-640-149	SDG No.:	P5052
Lab Sample ID:	P5052-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.6
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
12/03/24 08:10	12/03/24 13:44	PB165336

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	18.9		1	1.98	2.20	mg/kg	FE051508.D
Aliphatic C9-C28	Aliphatic C9-C28	3.71	J	1	1.89	4.40	mg/kg	FE051508.D
Total AliphaticEPH	Total AliphaticEPH	22.6			3.87	6.60	mg/kg	
Total EPH	Total EPH	22.6			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
FE051508.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	3.71	J	1.89	4.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	18.9		1.98	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	51.5		40 - 140	103%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	46.3		40 - 140	93%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5052-05	Acq On:	03 Dec 2024 13:44
Client Sample ID:	OR-640-149	Operator:	YP\AJ
Data file:	FE051508.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.122	6.736	1841781	13.022	300	ug/ml
Aliphatic C12-C16	6.737	10.168	1358269	9.651	200	ug/ml
Aliphatic C16-C21	10.169	13.526	1903741	13.686	300	ug/ml
Aliphatic C21-C28	13.527	17.180	1868003	14.281	400	ug/ml
Aliphatic C28-C40	17.181	22.012	27531601	257.065	600	ug/ml
Aliphatic EPH	3.122	22.012	34503395	307.706		ug/ml
ortho-Terphenyl (SURR)	11.832	11.832	6994560	46.29		ug/ml
1-chlorooctadecane (SURR)	13.264	13.264	5757009	51.52		ug/ml
Aliphatic C9-C28	3.122	17.180	6971794	50.64	1200	ug/ml