

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-1	SDG No.:	P4822
Lab Sample ID:	P4822-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/13/24 09:40	11/13/24 20:16	PB164943

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.40	U	1	0.40	1.06	mg/kg	FC067742.D
Aliphatic C12-C16	Aliphatic C12-C16	0.34	J	1	0.25	0.71	mg/kg	FC067742.D
Aliphatic C16-C21	Aliphatic C16-C21	0.32	U	1	0.32	1.06	mg/kg	FC067742.D
Aliphatic C21-C28	Aliphatic C21-C28	0.85	U	1	0.85	1.41	mg/kg	FC067742.D
Aliphatic C28-C40	Aliphatic C28-C40	9.55		1	1.91	2.12	mg/kg	FC067742.D
Aromatic C10-C12	Aromatic C10-C12	0.34	J	1	0.32	0.71	mg/kg	FD048723.D
Aromatic C12-C16	Aromatic C12-C16	0.44	J	1	0.36	1.06	mg/kg	FD048723.D
Aromatic C16-C21	Aromatic C16-C21	1.54	J	1	1.02	1.77	mg/kg	FD048723.D
Aromatic C21-C36	Aromatic C21-C36	6.53		1	2.12	2.83	mg/kg	FD048723.D
Total AliphaticEPH	Total AliphaticEPH	9.89			3.73	6.36	mg/kg	
Total AromaticEPH	Total AromaticEPH	8.85			3.82	6.37	mg/kg	
Total EPH	Total EPH	18.7			7.55	12.7	mg/kg	

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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Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067742.D	1	11/13/24	11/13/24	PB164943

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Aliphatic C9-C12	Aliphatic C9-C12	0.40	U	0.40	1.06	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.34	J	0.25	0.71	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.32	U	0.32	1.06	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.85	U	0.85	1.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.55		1.91	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.0		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4822-01	Acq On:	13 Nov 2024 20:16
Client Sample ID:	SOIL-1	Operator:	YP/AJ
Data file:	FC067742.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.169	6.447	325097	2.4	300	ug/ml
Aliphatic C12-C16	6.448	9.836	625999	4.754	200	ug/ml
Aliphatic C16-C21	9.837	13.192	461136	3.624	300	ug/ml
Aliphatic C21-C28	13.193	16.845	841253	7.005	400	ug/ml
Aliphatic C28-C40	16.846	21.681	13669430	135.216	600	ug/ml
Aliphatic EPH	3.169	21.681	15922915	152.999		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.926	12.926	3994370	36.99		ug/ml
Aliphatic C9-C28	3.169	16.845	2253485	17.783	1200	ug/ml