

Report of Analysis

Client:	ENTACT	Date Collected:	11/13/24
Project:	North Point	Date Received:	11/13/24
Client Sample ID:	EX-4-TPH-5	SDG No.:	P4839
Lab Sample ID:	P4839-21	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH

Prep Date :	Date Analyzed :	Prep Batch ID
11/16/24 09:30	11/19/24 11:17	PB165032

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	106		10	4.47	11.8	mg/kg FC067820.D
Aliphatic C12-C16	Aliphatic C12-C16	288		20	5.65	15.7	mg/kg FC067821.D
Aliphatic C16-C21	Aliphatic C16-C21	109		10	3.53	11.8	mg/kg FC067820.D
Aliphatic C21-C28	Aliphatic C21-C28	54.6		10	9.42	15.7	mg/kg FC067820.D
Aliphatic C28-C40	Aliphatic C28-C40	76.4		10	21.2	23.5	mg/kg FC067820.D
Aromatic C10-C12	Aromatic C10-C12	17.6		10	3.53	7.85	mg/kg FD048778.D
Aromatic C12-C16	Aromatic C12-C16	113		10	4.00	11.8	mg/kg FD048778.D
Aromatic C16-C21	Aromatic C16-C21	130		10	11.3	19.6	mg/kg FD048778.D
Aromatic C21-C36	Aromatic C21-C36	55.0		1	2.35	3.14	mg/kg FD048762.D
Total AliphaticEPH	Total AliphaticEPH	634			44.3	78.5	mg/kg
Total AromaticEPH	Total AromaticEPH	316			21.2	42.4	mg/kg
Total EPH	Total EPH	950			65.5	121	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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Prep Method :		Test:	EPH

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067803.D	1	11/16/24	11/18/24	PB165032

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	113	E	0.45	1.18	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	314	E	0.28	0.79	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	103	E	0.35	1.18	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	56.8	E	0.94	1.57	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	57.5	E	2.12	2.35	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.6		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4839-21	Acq On:	18 Nov 2024 12:18
Client Sample ID:	EX-4-TPH-5	Operator:	YP/AJ
Data file:	FC067803.D	Misc:	
Instrument:	FID_C	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.172	6.448	239820882	1450	300	ug/ml
Aliphatic C12-C16	6.449	9.838	683054797	4010	200	ug/ml
Aliphatic C16-C21	9.839	13.196	224099932	1320	300	ug/ml
Aliphatic C21-C28	13.197	16.850	113767486	723.343	400	ug/ml
Aliphatic C28-C40	16.851	21.691	88766701	732.935	600	ug/ml
Aliphatic EPH	3.172	21.691	1349509798	8230		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.932	12.932	5461116	37.62		ug/ml
Aliphatic C9-C28	3.172	16.850	1260743097	7500	1200	ug/ml