

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	07/29/24
Project:	LOD-LOQ Study	Date Received:	07/29/24
Client Sample ID:	LOD-MDL-SOIL-01-QT3-2024	SDG No.:	P3390
Lab Sample ID:	P3390-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/30/24 08:00	07/31/24 8:19	PB162355

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aromatic C10-C12	Aromatic C10-C12	0.41	J	1	0.30	0.67	mg/kg	FD048091.D
Aromatic C12-C16	Aromatic C12-C16	0.70	J	1	0.34	1.00	mg/kg	FD048091.D
Aromatic C16-C21	Aromatic C16-C21	1.22	J	1	0.96	1.67	mg/kg	FD048091.D
Aromatic C21-C36	Aromatic C21-C36	2.67	U	1	2.00	2.67	mg/kg	FD048091.D
Total AliphaticEPH	Total AliphaticEPH	0	U		0	0	mg/kg	
Total AromaticEPH	Total AromaticEPH	6.01	U		3.60	6.01	mg/kg	
Total EPH	Total EPH	6.01	U		3.60	6.01	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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Lab Sample ID:	P3390-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/30/24 08:00	08/05/24 11:53	PB162355

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	1.00	U	1	0.38	1.00	mg/kg	FF014387.D
Aliphatic C12-C16	Aliphatic C12-C16	0.26	J	1	0.24	0.67	mg/kg	FF014387.D
Aliphatic C16-C21	Aliphatic C16-C21	0.45	J	1	0.30	1.00	mg/kg	FF014387.D
Aliphatic C21-C28	Aliphatic C21-C28	1.33	U	1	0.80	1.33	mg/kg	FF014387.D
Aliphatic C28-C40	Aliphatic C28-C40	2.00	U	1	1.80	2.00	mg/kg	FF014387.D
Total AliphaticEPH	Total AliphaticEPH	6.00	U		3.52	6.00	mg/kg	
Total AromaticEPH	Total AromaticEPH	0	U		0	0	mg/kg	
Total EPH	Total EPH	6.00	U		3.52	6.00	mg/kg	

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Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/30/24 08:00	08/02/24 11:34	PB162355

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.56	J	1	0.38	1.00	mg/kg	FG014034.D
Aliphatic C12-C16	Aliphatic C12-C16	0.45	J	1	0.24	0.67	mg/kg	FE049326.D
Aliphatic C16-C21	Aliphatic C16-C21	0.65	J	1	0.30	1.00	mg/kg	FE049326.D
Aliphatic C21-C28	Aliphatic C21-C28	0.93	J	1	0.80	1.33	mg/kg	FG014034.D
Aliphatic C28-C40	Aliphatic C28-C40	2.00	U	1	1.80	2.00	mg/kg	FG014034.D
Total AliphaticEPH	Total AliphaticEPH	6.00	U		3.52	6.00	mg/kg	
Total AromaticEPH	Total AromaticEPH	0	U		0	0	mg/kg	
Total EPH	Total EPH	6.00	U		3.52	6.00	mg/kg	

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Project:	LOD-LOQ Study	Date Received:	07/29/24
Client Sample ID:	LOD-MDL-SOIL-01-QT3-2024	SDG No.:	P3390
Lab Sample ID:	P3390-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/30/24 08:00	07/31/24 10:43	PB162355

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.55	J	1	0.38	1.00	mg/kg	FE049326.D
Aliphatic C12-C16	Aliphatic C12-C16	0.45	J	1	0.24	0.67	mg/kg	FE049326.D
Aliphatic C16-C21	Aliphatic C16-C21	0.65	J	1	0.30	1.00	mg/kg	FE049326.D
Aliphatic C21-C28	Aliphatic C21-C28	0.93	J	1	0.80	1.33	mg/kg	FE049326.D
Aliphatic C28-C40	Aliphatic C28-C40	2.00	U	1	1.80	2.00	mg/kg	FE049326.D
Total AliphaticEPH	Total AliphaticEPH	6.00	U		3.52	6.00	mg/kg	
Total AromaticEPH	Total AromaticEPH	0	U		0	0	mg/kg	
Total EPH	Total EPH	6.00	U		3.52	6.00	mg/kg	

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Project:	LOD-LOQ Study	Date Received:	07/29/24
Client Sample ID:	LOD-MDL-SOIL-01-QT3-2024	SDG No.:	P3390
Lab Sample ID:	P3390-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/30/24 08:00	07/31/24 10:43	PB162355

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.55	J	1	0.38	1.00	mg/kg	FE049326.D
Aliphatic C12-C16	Aliphatic C12-C16	0.45	J	1	0.24	0.67	mg/kg	FE049326.D
Aliphatic C16-C21	Aliphatic C16-C21	0.65	J	1	0.30	1.00	mg/kg	FE049326.D
Aliphatic C21-C28	Aliphatic C21-C28	0.93	J	1	0.80	1.33	mg/kg	FE049326.D
Aliphatic C28-C40	Aliphatic C28-C40	2.00	U	1	1.80	2.00	mg/kg	FE049326.D
Total AliphaticEPH	Total AliphaticEPH	6.00	U		3.52	6.00	mg/kg	
Total AromaticEPH	Total AromaticEPH	0	U		0	0	mg/kg	
Total EPH	Total EPH	6.00	U		3.52	6.00	mg/kg	

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Project:	LOD-LOQ Study	Date Received:	07/29/24
Client Sample ID:	LOD-MDL-SOIL-01-QT3-2024	SDG No.:	P3390
Lab Sample ID:	P3390-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/30/24 08:00	07/31/24 9:37	PB162355

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	1.00	U	1	0.38	1.00	mg/kg	FC066862.D
Aliphatic C12-C16	Aliphatic C12-C16	0.27	J	1	0.24	0.67	mg/kg	FC066862.D
Aliphatic C16-C21	Aliphatic C16-C21	0.40	J	1	0.30	1.00	mg/kg	FC066862.D
Aliphatic C21-C28	Aliphatic C21-C28	1.33	U	1	0.80	1.33	mg/kg	FC066862.D
Aliphatic C28-C40	Aliphatic C28-C40	2.00	U	1	1.80	2.00	mg/kg	FC066862.D
Total AliphaticEPH	Total AliphaticEPH	6.00	U		3.52	6.00	mg/kg	
Total AromaticEPH	Total AromaticEPH	0	U		0	0	mg/kg	
Total EPH	Total EPH	6.00	U		3.52	6.00	mg/kg	

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Client:	Chemtech Consulting Group	Date Collected:	07/29/24
Project:	LOD-LOQ Study	Date Received:	07/29/24
Client Sample ID:	LOD-MDL-SOIL-01-QT3-2024	SDG No.:	P3390
Lab Sample ID:	P3390-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC066863.D	1	07/30/24	07/31/24	PB162355

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.56	J	0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.43	J	0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.65	J	0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.91	J	0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.00	U	1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.4		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:	P3390-01	Acq On:	31 Jul 2024 10:21
Client Sample ID:	LOD-MDL-SOIL-01-QT3-	Operator:	YP/AJ
Data file:	FC066863.D	Misc:	4 PPM SOIL LOD
Instrument:	FID_C	ALS Vial:	10
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.184	6.469	1238285	8.45	300	ug/ml
Aliphatic C12-C16	6.470	9.865	958549	6.477	200	ug/ml
Aliphatic C16-C21	9.866	13.227	1371424	9.704	300	ug/ml
Aliphatic C21-C28	13.228	16.885	1787941	13.659	400	ug/ml
Aliphatic C28-C40	16.886	21.755	2545119	21.377	600	ug/ml
Aliphatic EPH	3.184	21.755	7901318	59.666		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.961	12.961	4183890	37.42		ug/ml
Aliphatic C9-C28	3.184	16.885	5356199	38.29	1200	ug/ml