

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	
Project:	LOD-LOQ Study		Date Received:	
Client Sample ID:	PB154616BL		SDG No.:	O3572
Lab Sample ID:	PB154616BL		Matrix:	Water
Analytical Method:	NJEPH		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:		uL	Test:	EPH
Prep Method :	SW3510			

Prep Date :	Date Analyzed :	Prep Batch ID
08/03/23 08:00	08/10/23 17:11	PB154616

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.87	U	1	6.87	30.0	ug/l	FG012671.D
Aliphatic C12-C16	Aliphatic C12-C16	3.59	U	1	3.59	20.0	ug/l	FG012671.D
Aliphatic C16-C21	Aliphatic C16-C21	4.10	U	1	4.10	30.0	ug/l	FG012671.D
Aliphatic C21-C28	Aliphatic C21-C28	7.08	U	1	7.08	40.0	ug/l	FG012671.D
Aliphatic C28-C40	Aliphatic C28-C40	16.7	U	1	16.7	60.0	ug/l	FG012671.D
Aromatic C10-C12	Aromatic C10-C12	4.66	U	1	4.66	20.0	ug/l	FD046285.D
Aromatic C12-C16	Aromatic C12-C16	6.05	U	1	6.05	30.0	ug/l	FD046285.D
Aromatic C16-C21	Aromatic C16-C21	14.7	U	1	14.7	50.0	ug/l	FD046285.D
Aromatic C21-C36	Aromatic C21-C36	19.4	U	1	19.4	80.0	ug/l	FD046285.D
Total AliphaticEPH	Total AliphaticEPH	38.3	U		38.3	180	ug/l	
Total AromaticEPH	Total AromaticEPH	44.8	U		44.8	180	ug/l	
Total EPH	Total EPH	83.2	U		83.2	360	ug/l	

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:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
08/03/23 08:00	08/10/23 17:40	PB154616

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.87	U	1	6.87	30.0	ug/l	FF013183.D
Aliphatic C12-C16	Aliphatic C12-C16	3.59	U	1	3.59	20.0	ug/l	FF013183.D
Aliphatic C16-C21	Aliphatic C16-C21	4.10	U	1	4.10	30.0	ug/l	FF013183.D
Aliphatic C21-C28	Aliphatic C21-C28	7.08	U	1	7.08	40.0	ug/l	FF013183.D
Aliphatic C28-C40	Aliphatic C28-C40	16.7	U	1	16.7	60.0	ug/l	FF013183.D
Aromatic C10-C12	Aromatic C10-C12	4.66	U	1	4.66	20.0	ug/l	FD046285.D
Aromatic C16-C21	Aromatic C16-C21	14.7	U	1	14.7	50.0	ug/l	FD046285.D
Total AliphaticEPH	Total AliphaticEPH	38.3	U		38.3	180	ug/l	
Total AromaticEPH	Total AromaticEPH	19.4	U		19.4	70.0	ug/l	
Total EPH	Total EPH	57.7	U		57.7	250	ug/l	

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Project:	LOD-LOQ Study	Date Received:	
Client Sample ID:	PB154616BL	SDG No.:	O3572
Lab Sample ID:	PB154616BL	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
08/03/23 08:00	08/09/23 15:14	PB154616

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.87	U	1	6.87	30.0	ug/l	FD046315.D
Aliphatic C12-C16	Aliphatic C12-C16	3.59	U	1	3.59	20.0	ug/l	FD046315.D
Aliphatic C16-C21	Aliphatic C16-C21	4.10	U	1	4.10	30.0	ug/l	FD046315.D
Aliphatic C21-C28	Aliphatic C21-C28	7.08	U	1	7.08	40.0	ug/l	FD046315.D
Aliphatic C28-C40	Aliphatic C28-C40	16.7	U	1	16.7	60.0	ug/l	FD046315.D
Aromatic C10-C12	Aromatic C10-C12	4.66	U	1	4.66	20.0	ug/l	FD046285.D
Aromatic C16-C21	Aromatic C16-C21	14.7	U	1	14.7	50.0	ug/l	FD046285.D
Total AliphaticEPH	Total AliphaticEPH	38.3	U		38.3	180	ug/l	
Total AromaticEPH	Total AromaticEPH	19.4	U		19.4	70.0	ug/l	
Total EPH	Total EPH	57.7	U		57.7	250	ug/l	

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284 Sheffield Street, Mountainside NJ 07092 Phone: 908 789 8900 Fax : 908 789 8922

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Client Sample ID:	PB154616BL	SDG No.:	O3572
Lab Sample ID:	PB154616BL	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	2000
Prep Method :	SW3510	Test:	EPH
			uL

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC064335.D	1	08/03/23	08/07/23	PB154616

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	6.87	U	6.87	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	3.59	U	3.59	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	4.10	U	4.10	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	7.08	U	7.08	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	16.7	U	16.7	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.7		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB154616BL	Acq On:	07 Aug 2023 13:21
Client Sample ID:	PB154616BL	Operator:	YP/AJ
Data file:	FC064335.D	Misc:	
Instrument:	FID_C	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.207	6.479	0	0	300	ug/ml
Aliphatic C12-C16	6.480	9.864	0	0	200	ug/ml
Aliphatic C16-C21	9.865	13.215	138919	0.919	300	ug/ml
Aliphatic C21-C28	13.216	16.862	0	0	400	ug/ml
Aliphatic C28-C40	16.863	21.694	0	0	600	ug/ml
Aliphatic EPH	3.207	21.694	138919	0.919		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.952	12.952	4627826	36.7		ug/ml
Aliphatic C9-C28	3.207	16.862	138919	0.919	1200	ug/ml