

LAB CHRONICLE

OrderID:	Q3399	OrderDate:	10/20/2025 1:23:08 PM
Client:	ICE Service Group, Inc.	Project:	NWIRP Northrup Grumman Site – Bethpage, NY
Contact:	Dennis D. Morgan, II	Location:	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3399-01	COMP-ROLLOFF	SOIL			10/20/25			10/20/25
			Diesel Range Organics	8015D		10/22/25	10/22/25	
			Gasoline Range Organics	8015D			10/21/25	
			Herbicide	8151A		10/22/25	10/23/25	
			PCB	8082A		10/22/25	10/22/25	
			Pesticide-TCL	8081B		10/22/25	10/22/25	
Q3399-02	COMP-ROLLOFF	TCLP			10/20/25			10/20/25
			TCLP Herbicide	8151A		10/22/25	10/23/25	
			TCLP Pesticide	8081B		10/22/25	10/22/25	



SAMPLE DATA

Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	10/20/25
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	10/20/25
Client Sample ID:	COMP-ROLLOFF	SDG No.:	Q3399
Lab Sample ID:	Q3399-01	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	89.9
Sample Wt/Vol:	30.04 g	Final Vol:	1 mL
Prep Method:	SW3541	Test:	Diesel Range Organics
	Prep Date		10/22/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
DRO	DRO	1310	J	1	188	926	1850	ug/kg	10/22/25 14:43	PB170209
SURROGATES										
16416-32-3	Tetracosane-d50	10.5			37 - 130		52%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

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N = Presumptive Evidence of a Compound

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D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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QC SUMMARY



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

SOIL DIESEL RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Alliance

Client: ICE Service Group, Inc.

Lab Code: ACE

SDG No.: Q3399

CLIENT ID	S1	S2	S3	S4	TOT
	TETRACOSANE-d50				OUT
PIBLK-FF016591.D	72				0
PIBLK-FF016599.D	74				0
PB170209BL	57				0
PB170209BS	77				0
COMP-ROLLOFF	52				0
COMP-ROLLOFFMS	52				0
COMP-ROLLOFFMSD	54				0

QC LIMITS

TETRACOSANE-d50

For Water : 29-130

For Soil : 37-130

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate Diluted Out

SOIL DIESEL RANGE ORGANICS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>ICE Service Group, Inc.</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3399</u>
Client Sample ID :	<u>COMP-ROLLOFFMS</u>	Datafile:	<u>FF016597.D</u>

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS(%)
DRO	7401	1310	6573	71%		68-131

SOIL DIESEL RANGE ORGANICS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>ICE Service Group, Inc.</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3399</u>
Client Sample ID :	<u>COMP-ROLLOFFMSD</u>	Datafile:	<u>FF016598.D</u>

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS(%)
DRO	7398	1310	6818	74%		68-131

MS/MSD % Recovery RPD : 4.7



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SOIL DIESEL RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RI

Lab Name: Alliance
Lab Code: ACE
Client Sample ID : PB170209BS

Client: ICE Service Group, Inc.
SDG No: Q3399
Datafile: FF016595.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS (%)
DRO	6660	0	5070	76	68-131

4B
METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PB170209BL

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3399

Lab File ID: FF016594.D

Lab Sample ID: PB170209BL

Instrument ID: FF

Date Extracted: 10/22/2025

Matrix: (soil/water) Soil

Date Analyzed: 10/22/25

Level: (low/med) low

Time Analyzed: 13:33

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170209BS	PB170209BS	FF016595.D	10/22/25
COMP-ROLLOFF	Q3399-01	FF016596.D	10/22/25
COMP-ROLLOFFMS	Q3399-01MS	FF016597.D	10/22/25
COMP-ROLLOFFMSD	Q3399-01MSD	FF016598.D	10/22/25

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	ICE Service Group, Inc.		Date Collected:	
Project:	NWIRP Northrup Grumman Site – Bethpage, NY		Date Received:	
Client Sample ID:	PB170209BL		SDG No.:	Q3399
Lab Sample ID:	PB170209BL		Matrix:	SOIL
Analytical Method:	8015D DRO		% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol: 1 mL	Test:	Diesel Range Organics
Prep Method:	SW3541	Prep Date 10/22/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
DRO	DRO	833	U	1	169	833	1670	ug/kg	10/22/25 13:33	PB170209
SURROGATES										
16416-32-3	Tetracosane-d50	11.4			37 - 130		57%	SPK: 20		

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Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	10/22/25
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	10/22/25
Client Sample ID:	PIBLK-FF016591.D	SDG No.:	Q3399
Lab Sample ID:	I.BLK-FF016591.D	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	1 mL
Prep Method:	SW3510	Test:	Diesel Range Organics
	Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
DRO	DRO	25.0	U	1	6.00	25.0	50.0	ug/L	10/22/25	FF102225
SURROGATES										
16416-32-3	Tetracosane-d50	14.3			29 - 130		72%	SPK: 20		

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Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	10/22/25
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	10/22/25
Client Sample ID:	PIBLK-FF016599.D	SDG No.:	Q3399
Lab Sample ID:	I.BLK-FF016599.D	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	1 mL
Prep Method:	SW3510	Test:	Diesel Range Organics
	Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
DRO	DRO	25.0	U	1	6.00	25.0	50.0	ug/L	10/22/25	FF102225
SURROGATES										
16416-32-3	Tetracosane-d50	14.8			29 - 130		74%	SPK: 20		

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Report of Analysis

Client:	ICE Service Group, Inc.		Date Collected:	
Project:	NWIRP Northrup Grumman Site – Bethpage, NY		Date Received:	
Client Sample ID:	PB170209BS		SDG No.:	Q3399
Lab Sample ID:	PB170209BS		Matrix:	SOIL
Analytical Method:	8015D DRO		% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol: 1 mL	Test:	Diesel Range Organics
Prep Method:	SW3541	Prep Date 10/22/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
DRO	DRO	5070		1	169	833	1670	ug/kg	10/22/25 14:03	PB170209
SURROGATES										
16416-32-3	Tetracosane-d50	15.3			37 - 130		77%	SPK: 20		

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Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	10/20/25
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	10/20/25
Client Sample ID:	COMP-ROLLOFFMS	SDG No.:	Q3399
Lab Sample ID:	Q3399-01MS	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	89.9
Sample Wt/Vol:	30.06 g	Final Vol:	1 mL
Prep Method:	SW3541	Test:	Diesel Range Organics
	Prep Date		10/22/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
DRO	DRO	6570		1	188	925	1850	ug/kg	10/22/25 15:13	PB170209
SURROGATES										
16416-32-3	Tetracosane-d50	10.4			37 - 130		52%	SPK: 20		

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Report of Analysis

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Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	10/20/25
Client Sample ID:	COMP-ROLLOFFMSD	SDG No.:	Q3399
Lab Sample ID:	Q3399-01MSD	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	89.9
Sample Wt/Vol:	30.07 g	Final Vol:	1 mL
Prep Method:	SW3541	Test:	Diesel Range Organics
	Prep Date		10/22/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
DRO	DRO	6820		1	188	925	1850	ug/kg	10/22/25 15:42	PB170209
SURROGATES										
16416-32-3	Tetracosane-d50	10.8			37 - 130		54%	SPK: 20		

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CALIBRATION SUMMARY

DIESEL RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Alliance Contract: ICES02
 ProjectID: NWIRP Northrup Grumman Site – Bethpage, NY
 Lab Code: ACE SDG No.: Q3399

Calibration Sequence : FF100225		Test : Diesel Range Organics	
Concentration (PPM)	Area Count	Reference Factor	File ID
1000	112385153	112385	FF016509.D
500	63771192	127542	FF016510.D
200	27823338	139117	FF016511.D
100	13388592	133886	FF016512.D
50	6367675	127354	FF016513.D
AVG RF : 128057		% RSD : 7.835	AVG RT : 15.0682

DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Alliane Contract: ICES02
ProjectID: NWIRP Northrup Grumman Site – Bethp
Lab Code: ACE SDG No.: Q3399
DataFile: FF016592.D Analyst Name: YP\AJ Analyst Date: 10-22-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	64931765	129864	128057	1.411

DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Alliane Contract: ICES02
ProjectID: NWIRP Northrup Grumman Site – Bethp
Lab Code: ACE SDG No.: Q3399
DataFile: FF016600.D Analyst Name: YP\AJ Analyst Date: 10-22-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	64210589	128421	128057	0.284

Analytical Sequence

Client: ICE Service Group, Inc.

SDG No.: Q3399

Project: NWIRP Northrup Grumman Site – Bethpage, NY

Instrument ID: FID_F

GC Column: RXI-1MS **ID:** 0.18 (mm)

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

MEAN SUROGATE RT FROM INITIAL CALIBRATION 15.0682					
CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
PIBLK01	LBLK01	22 Oct 2025 11:30	FF016591.D	15.063	
50 PPM TRPH STD	50 PPM TRPH STD	22 Oct 2025 12:00	FF016592.D	15.066	
PB170209BL	PB170209BL	22 Oct 2025 13:33	FF016594.D	15.062	
PB170209BS	PB170209BS	22 Oct 2025 14:03	FF016595.D	15.062	
COMP-ROLLOFF	Q3399-01	22 Oct 2025 14:43	FF016596.D	15.008	
COMP-ROLLOFFMS	Q3399-01MS	22 Oct 2025 15:13	FF016597.D	15.062	
COMP-ROLLOFFMSD	Q3399-01MSD	22 Oct 2025 15:42	FF016598.D	15.061	
PIBLK02	LBLK02	22 Oct 2025 16:12	FF016599.D	15.062	
50 PPM TRPH STD	50 PPM TRPH STD	22 Oct 2025 16:41	FF016600.D	15.064	