

LAB CHRONICLE

OrderID:	Q3400	OrderDate:	10/20/2025 1:25:31 PM
Client:	ICE Service Group, Inc.	Project:	NWIRP Northrup Grumman Site – Bethpage, NY
Contact:	Dennis D. Morgan, II	Location:	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3400-01	FRAC-TANK-0760450	Water	VOC-TCLVOA-10	8260-Low	10/20/25		10/21/25	10/20/25

Hit Summary Sheet
SW-846

SDG No.: Q3400
Client: ICE Service Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	FRAC-TANK-0760450								
Q3400-01	FRAC-TANK-0760	Water	Acetone	5.10		1.50	3.80	5.00	ug/L
Q3400-01	FRAC-TANK-0760	Water	cis-1,2-Dichloroethene	9.70		0.19	0.75	1.00	ug/L
Q3400-01	FRAC-TANK-0760	Water	Trichloroethene	86.7		0.090	0.75	1.00	ug/L
Q3400-01	FRAC-TANK-0760	Water	1,2-Dichloropropane	17.2		0.20	0.50	1.00	ug/L
Q3400-01	FRAC-TANK-0760	Water	Tetrachloroethene	6.50		0.23	0.50	1.00	ug/L
Total Voc :					125				
Total Concentration:					125				



SAMPLE DATA

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: FRAC-TANK-0760450
Lab Sample ID: Q3400-01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/20/25
Date Received: 10/20/25
SDG No.: Q3400
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 16:46	VX102125
74-87-3	Chloromethane	0.50	U	1	0.32	0.50	1.00	ug/L	10/21/25 16:46	VX102125
75-01-4	Vinyl Chloride	0.75	U	1	0.26	0.75	1.00	ug/L	10/21/25 16:46	VX102125
74-83-9	Bromomethane	3.80	U	1	1.40	3.80	5.00	ug/L	10/21/25 16:46	VX102125
75-00-3	Chloroethane	0.75	U	1	0.47	0.75	1.00	ug/L	10/21/25 16:46	VX102125
75-69-4	Trichlorofluoromethane	0.50	U	1	0.33	0.50	1.00	ug/L	10/21/25 16:46	VX102125
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	1	0.25	0.50	1.00	ug/L	10/21/25 16:46	VX102125
75-35-4	1,1-Dichloroethene	0.75	U	1	0.23	0.75	1.00	ug/L	10/21/25 16:46	VX102125
67-64-1	Acetone	5.10		1	1.50	3.80	5.00	ug/L	10/21/25 16:46	VX102125
75-15-0	Carbon Disulfide	0.75	U	1	0.21	0.75	1.00	ug/L	10/21/25 16:46	VX102125
1634-04-4	Methyl tert-butyl Ether	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 16:46	VX102125
79-20-9	Methyl Acetate	0.75	U	1	0.27	0.75	1.00	ug/L	10/21/25 16:46	VX102125
75-09-2	Methylene Chloride	0.50	U	1	0.28	0.50	1.00	ug/L	10/21/25 16:46	VX102125
156-60-5	trans-1,2-Dichloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/21/25 16:46	VX102125
75-34-3	1,1-Dichloroethane	0.50	U	1	0.23	0.50	1.00	ug/L	10/21/25 16:46	VX102125
110-82-7	Cyclohexane	2.50	U	1	1.50	2.50	5.00	ug/L	10/21/25 16:46	VX102125
78-93-3	2-Butanone	2.50	U	1	0.98	2.50	5.00	ug/L	10/21/25 16:46	VX102125
56-23-5	Carbon Tetrachloride	0.50	U	1	0.25	0.50	1.00	ug/L	10/21/25 16:46	VX102125
156-59-2	cis-1,2-Dichloroethene	9.70		1	0.19	0.75	1.00	ug/L	10/21/25 16:46	VX102125
74-97-5	Bromochloromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 16:46	VX102125
67-66-3	Chloroform	0.50	U	1	0.25	0.50	1.00	ug/L	10/21/25 16:46	VX102125
71-55-6	1,1,1-Trichloroethane	0.50	U	1	0.20	0.50	1.00	ug/L	10/21/25 16:46	VX102125
108-87-2	Methylcyclohexane	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 16:46	VX102125
71-43-2	Benzene	0.50	U	1	0.15	0.50	1.00	ug/L	10/21/25 16:46	VX102125
107-06-2	1,2-Dichloroethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 16:46	VX102125
79-01-6	Trichloroethene	86.7		1	0.090	0.75	1.00	ug/L	10/21/25 16:46	VX102125
78-87-5	1,2-Dichloropropane	17.2		1	0.20	0.50	1.00	ug/L	10/21/25 16:46	VX102125
75-27-4	Bromodichloromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 16:46	VX102125
108-10-1	4-Methyl-2-Pentanone	2.50	U	1	0.68	2.50	5.00	ug/L	10/21/25 16:46	VX102125
108-88-3	Toluene	0.50	U	1	0.14	0.50	1.00	ug/L	10/21/25 16:46	VX102125
10061-02-6	t-1,3-Dichloropropene	0.50	U	1	0.17	0.50	1.00	ug/L	10/21/25 16:46	VX102125
10061-01-5	cis-1,3-Dichloropropene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 16:46	VX102125
79-00-5	1,1,2-Trichloroethane	0.50	U	1	0.21	0.50	1.00	ug/L	10/21/25 16:46	VX102125
591-78-6	2-Hexanone	2.50	U	1	0.89	2.50	5.00	ug/L	10/21/25 16:46	VX102125
124-48-1	Dibromochloromethane	0.50	U	1	0.18	0.50	1.00	ug/L	10/21/25 16:46	VX102125
106-93-4	1,2-Dibromoethane	0.50	U	1	0.15	0.50	1.00	ug/L	10/21/25 16:46	VX102125
127-18-4	Tetrachloroethene	6.50		1	0.23	0.50	1.00	ug/L	10/21/25 16:46	VX102125
108-90-7	Chlorobenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 16:46	VX102125
100-41-4	Ethyl Benzene	0.50	U	1	0.13	0.50	1.00	ug/L	10/21/25 16:46	VX102125
179601-23-1	m/p-Xylenes	1.00	U	1	0.24	1.00	2.00	ug/L	10/21/25 16:46	VX102125
95-47-6	o-Xylene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 16:46	VX102125
100-42-5	Styrene	0.50	U	1	0.15	0.50	1.00	ug/L	10/21/25 16:46	VX102125
75-25-2	Bromoform	0.50	U	1	0.19	0.50	1.00	ug/L	10/21/25 16:46	VX102125

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: FRAC-TANK-0760450
Lab Sample ID: Q3400-01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/20/25
Date Received: 10/20/25
SDG No.: Q3400
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 16:46	VX102125
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	1	0.26	0.50	1.00	ug/L	10/21/25 16:46	VX102125
541-73-1	1,3-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 16:46	VX102125
106-46-7	1,4-Dichlorobenzene	0.50	U	1	0.19	0.50	1.00	ug/L	10/21/25 16:46	VX102125
95-50-1	1,2-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 16:46	VX102125
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	1	0.53	0.75	1.00	ug/L	10/21/25 16:46	VX102125
120-82-1	1,2,4-Trichlorobenzene	0.50	U	1	0.20	0.50	1.00	ug/L	10/21/25 16:46	VX102125
87-61-6	1,2,3-Trichlorobenzene	0.75	U	1	0.20	0.75	1.00	ug/L	10/21/25 16:46	VX102125

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	55.7			81 - 118	111%	SPK: 50
1868-53-7	Dibromofluoromethane	47.4			80 - 119	95%	SPK: 50
2037-26-5	Toluene-d8	49.8			89 - 112	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.0	*		85 - 114	116%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	118000
540-36-3	1,4-Difluorobenzene	236000
3114-55-4	Chlorobenzene-d5	266000
3855-82-1	1,4-Dichlorobenzene-d4	137000

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

M = MS/MSD acceptance 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

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SDG No.: Q3400

Client: ICE Service Group, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3400-01	FRAC-TANK-0760450	1,2-Dichloroethane-d4	50	55.7	111		81	118
		Dibromofluoromethane	50	47.4	95		80	119
		Toluene-d8	50	49.8	100		89	112
		4-Bromofluorobenzene	50	58.0	116	*	85	114
VX1021WBL01	VX1021WBL01	1,2-Dichloroethane-d4	50	52.5	105		81	118
		Dibromofluoromethane	50	47.1	94		80	119
		Toluene-d8	50	46.4	93		89	112
		4-Bromofluorobenzene	50	52.6	105		85	114
VX1021WBS01	VX1021WBS01	1,2-Dichloroethane-d4	50	49.2	98		81	118
		Dibromofluoromethane	50	49.3	99		80	119
		Toluene-d8	50	47.8	96		89	112
		4-Bromofluorobenzene	50	49.7	99		85	114
VX1021WBSD0	VX1021WBSD01	1,2-Dichloroethane-d4	50	46.5	93		81	118
		Dibromofluoromethane	50	48.0	96		80	119
		Toluene-d8	50	47.9	96		89	112
		4-Bromofluorobenzene	50	47.3	95		85	114

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3400</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>ICE Service Group, Inc.</u>	Datafile :	<u>VX048255.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1021WBS01	Dichlorodifluoromethane	20	16.8	ug/L	84			32	152	
	Chloromethane	20	17.8	ug/L	89			50	139	
	Vinyl chloride	20	17.6	ug/L	88			58	137	
	Bromomethane	20	19.3	ug/L	97			53	141	
	Chloroethane	20	18.9	ug/L	95			60	138	
	Trichlorofluoromethane	20	17.7	ug/L	89			65	141	
	1,1,2-Trichlorotrifluoroethane	20	17.6	ug/L	88			70	136	
	1,1-Dichloroethene	20	18.0	ug/L	90			71	131	
	Acetone	100	82.3	ug/L	82			39	160	
	Carbon disulfide	20	16.6	ug/L	83			64	133	
	Methyl tert-butyl Ether	20	17.6	ug/L	88			71	124	
	Methyl Acetate	20	17.5	ug/L	88			56	136	
	Methylene Chloride	20	19.1	ug/L	96			74	124	
	trans-1,2-Dichloroethene	20	17.9	ug/L	90			75	124	
	1,1-Dichloroethane	20	18.4	ug/L	92			77	125	
	Cyclohexane	20	19.2	ug/L	96			71	130	
	2-Butanone	100	85.2	ug/L	85			56	143	
	Carbon Tetrachloride	20	17.0	ug/L	85			72	136	
	cis-1,2-Dichloroethene	20	18.9	ug/L	95			78	123	
	Bromochloromethane	20	21.6	ug/L	108			78	123	
	Chloroform	20	18.8	ug/L	94			79	124	
	1,1,1-Trichloroethane	20	18.1	ug/L	91			74	131	
	Methylcyclohexane	20	17.0	ug/L	85			72	132	
	Benzene	20	18.5	ug/L	93			79	120	
	1,2-Dichloroethane	20	19.1	ug/L	96			73	128	
	Trichloroethene	20	18.1	ug/L	91			79	123	
	1,2-Dichloropropane	20	19.3	ug/L	97			78	122	
	Bromodichloromethane	20	18.6	ug/L	93			79	125	
	4-Methyl-2-Pentanone	100	86.9	ug/L	87			67	130	
	Toluene	20	18.8	ug/L	94			80	121	
	t-1,3-Dichloropropene	20	18.4	ug/L	92			73	127	
	cis-1,3-Dichloropropene	20	18.8	ug/L	94			75	124	
	1,1,2-Trichloroethane	20	19.1	ug/L	96			80	119	
	2-Hexanone	100	85.9	ug/L	86			57	139	
	Dibromochloromethane	20	18.1	ug/L	91			74	126	
	1,2-Dibromoethane	20	18.6	ug/L	93			77	121	
	Tetrachloroethene	20	16.9	ug/L	85			74	129	
	Chlorobenzene	20	18.0	ug/L	90			82	118	
	Ethyl Benzene	20	17.8	ug/L	89			79	121	
	m/p-Xylenes	40	36.8	ug/L	92			80	121	
	o-Xylene	20	18.1	ug/L	91			78	122	
	Styrene	20	18.8	ug/L	94			78	123	
	Bromoform	20	17.0	ug/L	85			66	130	
	Isopropylbenzene	20	17.1	ug/L	86			72	131	
	1,1,2,2-Tetrachloroethane	20	17.3	ug/L	86			71	121	
	1,3-Dichlorobenzene	20	17.2	ug/L	86			80	119	
	1,4-Dichlorobenzene	20	16.6	ug/L	83			79	118	
	1,2-Dichlorobenzene	20	17.2	ug/L	86			80	119	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3400</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>ICE Service Group, Inc.</u>	Datafile :	<u>VX048255.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1021WBS01	1,2-Dibromo-3-Chloropropane	20	14.2	ug/L	71			62	128	
	1,2,4-Trichlorobenzene	20	15.2	ug/L	76			69	130	
	1,2,3-Trichlorobenzene	20	15.5	ug/L	78			69	129	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:		Q3400	SW-846		Analytical Method:		SW8260-Low
Client:		ICE Service Group, Inc.	Datafile :		VX048256.D		

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1021WBSD01	Dichlorodifluoromethane	20	18.0	ug/L	90	7		32	152	20
	Chloromethane	20	17.3	ug/L	86	3		50	139	20
	Vinyl chloride	20	16.9	ug/L	85	3		58	137	20
	Bromomethane	20	19.0	ug/L	95	2		53	141	20
	Chloroethane	20	19.0	ug/L	95	0		60	138	20
	Trichlorofluoromethane	20	17.9	ug/L	90	1		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	17.7	ug/L	89	1		70	136	20
	1,1-Dichloroethene	20	17.9	ug/L	90	0		71	131	20
	Acetone	100	81.6	ug/L	82	0		39	160	20
	Carbon disulfide	20	16.9	ug/L	85	2		64	133	20
	Methyl tert-butyl Ether	20	18.0	ug/L	90	2		71	124	20
	Methyl Acetate	20	16.9	ug/L	85	3		56	136	20
	Methylene Chloride	20	18.5	ug/L	93	3		74	124	20
	trans-1,2-Dichloroethene	20	18.8	ug/L	94	4		75	124	20
	1,1-Dichloroethane	20	18.8	ug/L	94	2		77	125	20
	Cyclohexane	20	18.4	ug/L	92	4		71	130	20
	2-Butanone	100	85.7	ug/L	86	1		56	143	20
	Carbon Tetrachloride	20	17.2	ug/L	86	1		72	136	20
	cis-1,2-Dichloroethene	20	19.1	ug/L	96	1		78	123	20
	Bromochloromethane	20	21.3	ug/L	106	2		78	123	20
	Chloroform	20	19.0	ug/L	95	1		79	124	20
	1,1,1-Trichloroethane	20	18.3	ug/L	92	1		74	131	20
	Methylcyclohexane	20	18.2	ug/L	91	7		72	132	20
	Benzene	20	18.8	ug/L	94	1		79	120	20
	1,2-Dichloroethane	20	18.5	ug/L	93	3		73	128	20
	Trichloroethene	20	18.3	ug/L	92	1		79	123	20
	1,2-Dichloropropane	20	19.8	ug/L	99	2		78	122	20
	Bromodichloromethane	20	18.8	ug/L	94	1		79	125	20
	4-Methyl-2-Pentanone	100	89.0	ug/L	89	2		67	130	20
	Toluene	20	18.9	ug/L	95	1		80	121	20
	t-1,3-Dichloropropene	20	18.5	ug/L	93	1		73	127	20
	cis-1,3-Dichloropropene	20	18.5	ug/L	93	1		75	124	20
	1,1,2-Trichloroethane	20	19.3	ug/L	97	1		80	119	20
	2-Hexanone	100	87.8	ug/L	88	2		57	139	20
	Dibromochloromethane	20	18.3	ug/L	92	1		74	126	20
	1,2-Dibromoethane	20	18.6	ug/L	93	0		77	121	20
	Tetrachloroethene	20	17.5	ug/L	88	3		74	129	20
	Chlorobenzene	20	18.9	ug/L	95	5		82	118	20
	Ethyl Benzene	20	18.3	ug/L	92	3		79	121	20
	m/p-Xylenes	40	37.5	ug/L	94	2		80	121	20
	o-Xylene	20	18.5	ug/L	93	2		78	122	20
	Styrene	20	19.2	ug/L	96	2		78	123	20
	Bromoform	20	17.7	ug/L	89	5		66	130	20
	Isopropylbenzene	20	18.5	ug/L	93	8		72	131	20
	1,1,2,2-Tetrachloroethane	20	18.4	ug/L	92	7		71	121	20
	1,3-Dichlorobenzene	20	18.2	ug/L	91	6		80	119	20
	1,4-Dichlorobenzene	20	18.2	ug/L	91	9		79	118	20
	1,2-Dichlorobenzene	20	18.6	ug/L	93	8		80	119	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3400</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>ICE Service Group, Inc.</u>	Datafile :	<u>VX048256.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1021WBSD01	1,2-Dibromo-3-Chloropropane	20	16.9	ug/L	85	18		62	128	20
	1,2,4-Trichlorobenzene	20	16.8	ug/L	84	10		69	130	20
	1,2,3-Trichlorobenzene	20	17.3	ug/L	86	10		69	129	20

VOLATILE METHOD BLANK SUMMARY

Client ID

VX1021WBL01

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3400

Lab File ID: VX048254.D

Lab Sample ID: VX1021WBL01

Date Analyzed: 10/21/2025

Time Analyzed: 09:40

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX1021WBS01	VX1021WBS01	VX048255.D	10/21/2025
VX1021WBSD01	VX1021WBSD01	VX048256.D	10/21/2025
FRAC-TANK-0760450	Q3400-01	VX048274.D	10/21/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: VX048226.D
Instrument ID: MSVOA_X
GC Column: DB-624UI ID: 0.18 (mm)

Contract: ICES02
SDG NO.: Q3400
BFB Injection Date: 10/20/2025
BFB Injection Time: 08:15
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.7
75	30.0 - 60.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.3 (0.4) 1
174	50.0 - 100.0% of mass 95	76.5
175	5.0 - 9.0% of mass 174	5.8 (7.5) 1
176	95.0 - 101.0% of mass 174	73.8 (96.4) 1
177	5.0 - 9.0% of mass 176	4.8 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VX048229.D	10/20/2025	10:59
VSTDIC020	VSTDIC020	VX048231.D	10/20/2025	11:40
VSTDIC050	VSTDIC050	VX048232.D	10/20/2025	12:01
VSTDIC100	VSTDIC100	VX048233.D	10/20/2025	12:22
VSTDIC150	VSTDIC150	VX048234.D	10/20/2025	12:43
VSTDIC005	VSTDIC005	VX048236.D	10/20/2025	13:49

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3400

Lab File ID: VX048251.D

BFB Injection Date: 10/21/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:12

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18
75	30.0 - 60.0% of mass 95	50.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.6 (0.7) 1
174	50.0 - 100.0% of mass 95	75.8
175	5.0 - 9.0% of mass 174	5.5 (7.2) 1
176	95.0 - 101.0% of mass 174	72.8 (96.1) 1
177	5.0 - 9.0% of mass 176	5 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX048252.D	10/21/2025	08:43
VX1021WBL01	VX1021WBL01	VX048254.D	10/21/2025	09:40
VX1021WBS01	VX1021WBS01	VX048255.D	10/21/2025	10:06
VX1021WBSD01	VX1021WBSD01	VX048256.D	10/21/2025	10:33
FRAC-TANK-0760450	Q3400-01	VX048274.D	10/21/2025	16:46
VSTDCCC050EC	VSTDCCC050	VX048278.D	10/21/2025	18:09

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ICES02
Lab Code: ACE SDG NO.: Q3400
Lab File ID: VX048252.D Date Analyzed: 10/21/2025
Instrument ID: MSVOA_X Time Analyzed: 08:43
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	144122	5.53	227103	6.74	197016	10.04
UPPER LIMIT	288244	6.031	454206	7.238	394032	10.537
LOWER LIMIT	72061	5.031	113552	6.238	98508	9.537
EPA SAMPLE NO.						
FRAC-TANK-0760450	117685	5.54	236203	6.75	265928	10.04
VX1021WBL01	121915	5.53	240535	6.75	247603	10.04
VX1021WBS01	141199	5.54	230109	6.74	212342	10.04
VX1021WBSD01	137604	5.53	224103	6.74	203364	10.04

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>ICES02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3400</u>
Lab File ID:	<u>VX048252.D</u>	Date Analyzed:	<u>10/21/2025</u>
Instrument ID:	<u>MSVOA_X</u>	Time Analyzed:	<u>08:43</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)
		Heated Purge:	(Y/N) <u>N</u>

	IS4 AREA #	RT #				
12 HOUR STD	96991	12.00€				
UPPER LIMIT	193982	12.50€				
LOWER LIMIT	48495.5	11.50€				
EPA SAMPLE NO.						
FRAC-TANK-0760450	136752	12.01				
VX1021WBL01	126551	12.01				
VX1021WBS01	110789	12.01				
VX1021WBSD01	101316	12.01				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.



QC SAMPLE DATA

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: VX1021WBL01
Lab Sample ID: VX1021WBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3400
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 09:40	VX102125
74-87-3	Chloromethane	0.50	U	1	0.32	0.50	1.00	ug/L	10/21/25 09:40	VX102125
75-01-4	Vinyl Chloride	0.75	U	1	0.26	0.75	1.00	ug/L	10/21/25 09:40	VX102125
74-83-9	Bromomethane	3.80	U	1	1.40	3.80	5.00	ug/L	10/21/25 09:40	VX102125
75-00-3	Chloroethane	0.75	U	1	0.47	0.75	1.00	ug/L	10/21/25 09:40	VX102125
75-69-4	Trichlorofluoromethane	0.50	U	1	0.33	0.50	1.00	ug/L	10/21/25 09:40	VX102125
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	1	0.25	0.50	1.00	ug/L	10/21/25 09:40	VX102125
75-35-4	1,1-Dichloroethene	0.75	U	1	0.23	0.75	1.00	ug/L	10/21/25 09:40	VX102125
67-64-1	Acetone	3.80	U	1	1.50	3.80	5.00	ug/L	10/21/25 09:40	VX102125
75-15-0	Carbon Disulfide	0.75	U	1	0.21	0.75	1.00	ug/L	10/21/25 09:40	VX102125
1634-04-4	Methyl tert-butyl Ether	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 09:40	VX102125
79-20-9	Methyl Acetate	0.75	U	1	0.27	0.75	1.00	ug/L	10/21/25 09:40	VX102125
75-09-2	Methylene Chloride	0.50	U	1	0.28	0.50	1.00	ug/L	10/21/25 09:40	VX102125
156-60-5	trans-1,2-Dichloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/21/25 09:40	VX102125
75-34-3	1,1-Dichloroethane	0.50	U	1	0.23	0.50	1.00	ug/L	10/21/25 09:40	VX102125
110-82-7	Cyclohexane	2.50	U	1	1.50	2.50	5.00	ug/L	10/21/25 09:40	VX102125
78-93-3	2-Butanone	2.50	U	1	0.98	2.50	5.00	ug/L	10/21/25 09:40	VX102125
56-23-5	Carbon Tetrachloride	0.50	U	1	0.25	0.50	1.00	ug/L	10/21/25 09:40	VX102125
156-59-2	cis-1,2-Dichloroethene	0.75	U	1	0.19	0.75	1.00	ug/L	10/21/25 09:40	VX102125
74-97-5	Bromochloromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 09:40	VX102125
67-66-3	Chloroform	0.50	U	1	0.25	0.50	1.00	ug/L	10/21/25 09:40	VX102125
71-55-6	1,1,1-Trichloroethane	0.50	U	1	0.20	0.50	1.00	ug/L	10/21/25 09:40	VX102125
108-87-2	Methylcyclohexane	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 09:40	VX102125
71-43-2	Benzene	0.50	U	1	0.15	0.50	1.00	ug/L	10/21/25 09:40	VX102125
107-06-2	1,2-Dichloroethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 09:40	VX102125
79-01-6	Trichloroethene	0.75	U	1	0.090	0.75	1.00	ug/L	10/21/25 09:40	VX102125
78-87-5	1,2-Dichloropropane	0.50	U	1	0.20	0.50	1.00	ug/L	10/21/25 09:40	VX102125
75-27-4	Bromodichloromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 09:40	VX102125
108-10-1	4-Methyl-2-Pentanone	2.50	U	1	0.68	2.50	5.00	ug/L	10/21/25 09:40	VX102125
108-88-3	Toluene	0.50	U	1	0.14	0.50	1.00	ug/L	10/21/25 09:40	VX102125
10061-02-6	t-1,3-Dichloropropene	0.50	U	1	0.17	0.50	1.00	ug/L	10/21/25 09:40	VX102125
10061-01-5	cis-1,3-Dichloropropene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 09:40	VX102125
79-00-5	1,1,2-Trichloroethane	0.50	U	1	0.21	0.50	1.00	ug/L	10/21/25 09:40	VX102125
591-78-6	2-Hexanone	2.50	U	1	0.89	2.50	5.00	ug/L	10/21/25 09:40	VX102125
124-48-1	Dibromochloromethane	0.50	U	1	0.18	0.50	1.00	ug/L	10/21/25 09:40	VX102125
106-93-4	1,2-Dibromoethane	0.50	U	1	0.15	0.50	1.00	ug/L	10/21/25 09:40	VX102125
127-18-4	Tetrachloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/21/25 09:40	VX102125
108-90-7	Chlorobenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 09:40	VX102125
100-41-4	Ethyl Benzene	0.50	U	1	0.13	0.50	1.00	ug/L	10/21/25 09:40	VX102125
179601-23-1	m/p-Xylenes	1.00	U	1	0.24	1.00	2.00	ug/L	10/21/25 09:40	VX102125
95-47-6	o-Xylene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 09:40	VX102125
100-42-5	Styrene	0.50	U	1	0.15	0.50	1.00	ug/L	10/21/25 09:40	VX102125
75-25-2	Bromoform	0.50	U	1	0.19	0.50	1.00	ug/L	10/21/25 09:40	VX102125

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: VX1021WBL01
Lab Sample ID: VX1021WBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3400
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 09:40	VX102125
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	1	0.26	0.50	1.00	ug/L	10/21/25 09:40	VX102125
541-73-1	1,3-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 09:40	VX102125
106-46-7	1,4-Dichlorobenzene	0.50	U	1	0.19	0.50	1.00	ug/L	10/21/25 09:40	VX102125
95-50-1	1,2-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 09:40	VX102125
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	1	0.53	0.75	1.00	ug/L	10/21/25 09:40	VX102125
120-82-1	1,2,4-Trichlorobenzene	0.50	U	1	0.20	0.50	1.00	ug/L	10/21/25 09:40	VX102125
87-61-6	1,2,3-Trichlorobenzene	0.75	U	1	0.20	0.75	1.00	ug/L	10/21/25 09:40	VX102125

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	52.5			81 - 118	105%	SPK: 50
1868-53-7	Dibromofluoromethane	47.1			80 - 119	94%	SPK: 50
2037-26-5	Toluene-d8	46.4			89 - 112	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.7			85 - 114	105%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	122000
540-36-3	1,4-Difluorobenzene	241000
3114-55-4	Chlorobenzene-d5	248000
3855-82-1	1,4-Dichlorobenzene-d4	127000

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

M = MS/MSD acceptance 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

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: VX1021WBS01
Lab Sample ID: VX1021WBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3400
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	16.8		1	0.22	0.50	1.00	ug/L	10/21/25 10:06	VX102125
74-87-3	Chloromethane	17.8		1	0.32	0.50	1.00	ug/L	10/21/25 10:06	VX102125
75-01-4	Vinyl Chloride	17.6		1	0.26	0.75	1.00	ug/L	10/21/25 10:06	VX102125
74-83-9	Bromomethane	19.3		1	1.40	3.80	5.00	ug/L	10/21/25 10:06	VX102125
75-00-3	Chloroethane	18.9		1	0.47	0.75	1.00	ug/L	10/21/25 10:06	VX102125
75-69-4	Trichlorofluoromethane	17.7		1	0.33	0.50	1.00	ug/L	10/21/25 10:06	VX102125
76-13-1	1,1,2-Trichlorotrifluoroethane	17.6		1	0.25	0.50	1.00	ug/L	10/21/25 10:06	VX102125
75-35-4	1,1-Dichloroethene	18.0		1	0.23	0.75	1.00	ug/L	10/21/25 10:06	VX102125
67-64-1	Acetone	82.3		1	1.50	3.80	5.00	ug/L	10/21/25 10:06	VX102125
75-15-0	Carbon Disulfide	16.6		1	0.21	0.75	1.00	ug/L	10/21/25 10:06	VX102125
1634-04-4	Methyl tert-butyl Ether	17.6		1	0.16	0.50	1.00	ug/L	10/21/25 10:06	VX102125
79-20-9	Methyl Acetate	17.5		1	0.27	0.75	1.00	ug/L	10/21/25 10:06	VX102125
75-09-2	Methylene Chloride	19.1		1	0.28	0.50	1.00	ug/L	10/21/25 10:06	VX102125
156-60-5	trans-1,2-Dichloroethene	17.9		1	0.23	0.50	1.00	ug/L	10/21/25 10:06	VX102125
75-34-3	1,1-Dichloroethane	18.4		1	0.23	0.50	1.00	ug/L	10/21/25 10:06	VX102125
110-82-7	Cyclohexane	19.2		1	1.50	2.50	5.00	ug/L	10/21/25 10:06	VX102125
78-93-3	2-Butanone	85.2		1	0.98	2.50	5.00	ug/L	10/21/25 10:06	VX102125
56-23-5	Carbon Tetrachloride	17.0		1	0.25	0.50	1.00	ug/L	10/21/25 10:06	VX102125
156-59-2	cis-1,2-Dichloroethene	18.9		1	0.19	0.75	1.00	ug/L	10/21/25 10:06	VX102125
74-97-5	Bromochloromethane	21.6		1	0.22	0.50	1.00	ug/L	10/21/25 10:06	VX102125
67-66-3	Chloroform	18.8		1	0.25	0.50	1.00	ug/L	10/21/25 10:06	VX102125
71-55-6	1,1,1-Trichloroethane	18.1		1	0.20	0.50	1.00	ug/L	10/21/25 10:06	VX102125
108-87-2	Methylcyclohexane	17.0		1	0.16	0.50	1.00	ug/L	10/21/25 10:06	VX102125
71-43-2	Benzene	18.5		1	0.15	0.50	1.00	ug/L	10/21/25 10:06	VX102125
107-06-2	1,2-Dichloroethane	19.1		1	0.22	0.50	1.00	ug/L	10/21/25 10:06	VX102125
79-01-6	Trichloroethene	18.1		1	0.090	0.75	1.00	ug/L	10/21/25 10:06	VX102125
78-87-5	1,2-Dichloropropane	19.3		1	0.20	0.50	1.00	ug/L	10/21/25 10:06	VX102125
75-27-4	Bromodichloromethane	18.6		1	0.22	0.50	1.00	ug/L	10/21/25 10:06	VX102125
108-10-1	4-Methyl-2-Pentanone	86.9		1	0.68	2.50	5.00	ug/L	10/21/25 10:06	VX102125
108-88-3	Toluene	18.8		1	0.14	0.50	1.00	ug/L	10/21/25 10:06	VX102125
10061-02-6	t-1,3-Dichloropropene	18.4		1	0.17	0.50	1.00	ug/L	10/21/25 10:06	VX102125
10061-01-5	cis-1,3-Dichloropropene	18.8		1	0.16	0.50	1.00	ug/L	10/21/25 10:06	VX102125
79-00-5	1,1,2-Trichloroethane	19.1		1	0.21	0.50	1.00	ug/L	10/21/25 10:06	VX102125
591-78-6	2-Hexanone	85.9		1	0.89	2.50	5.00	ug/L	10/21/25 10:06	VX102125
124-48-1	Dibromochloromethane	18.1		1	0.18	0.50	1.00	ug/L	10/21/25 10:06	VX102125
106-93-4	1,2-Dibromoethane	18.6		1	0.15	0.50	1.00	ug/L	10/21/25 10:06	VX102125
127-18-4	Tetrachloroethene	16.9		1	0.23	0.50	1.00	ug/L	10/21/25 10:06	VX102125
108-90-7	Chlorobenzene	18.0		1	0.12	0.50	1.00	ug/L	10/21/25 10:06	VX102125
100-41-4	Ethyl Benzene	17.8		1	0.13	0.50	1.00	ug/L	10/21/25 10:06	VX102125
179601-23-1	m/p-Xylenes	36.8		1	0.24	1.00	2.00	ug/L	10/21/25 10:06	VX102125
95-47-6	o-Xylene	18.1		1	0.12	0.50	1.00	ug/L	10/21/25 10:06	VX102125
100-42-5	Styrene	18.8		1	0.15	0.50	1.00	ug/L	10/21/25 10:06	VX102125
75-25-2	Bromoform	17.0		1	0.19	0.50	1.00	ug/L	10/21/25 10:06	VX102125

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: VX1021WBS01
Lab Sample ID: VX1021WBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3400
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	17.1		1	0.12	0.50	1.00	ug/L	10/21/25 10:06	VX102125
79-34-5	1,1,2,2-Tetrachloroethane	17.3		1	0.26	0.50	1.00	ug/L	10/21/25 10:06	VX102125
541-73-1	1,3-Dichlorobenzene	17.2		1	0.16	0.50	1.00	ug/L	10/21/25 10:06	VX102125
106-46-7	1,4-Dichlorobenzene	16.6		1	0.19	0.50	1.00	ug/L	10/21/25 10:06	VX102125
95-50-1	1,2-Dichlorobenzene	17.2		1	0.16	0.50	1.00	ug/L	10/21/25 10:06	VX102125
96-12-8	1,2-Dibromo-3-Chloropropane	14.2		1	0.53	0.75	1.00	ug/L	10/21/25 10:06	VX102125
120-82-1	1,2,4-Trichlorobenzene	15.2		1	0.20	0.50	1.00	ug/L	10/21/25 10:06	VX102125
87-61-6	1,2,3-Trichlorobenzene	15.5		1	0.20	0.75	1.00	ug/L	10/21/25 10:06	VX102125

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	49.2			81 - 118	98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3			80 - 119	99%	SPK: 50
2037-26-5	Toluene-d8	47.8			89 - 112	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.7			85 - 114	99%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	141000
540-36-3	1,4-Difluorobenzene	230000
3114-55-4	Chlorobenzene-d5	212000
3855-82-1	1,4-Dichlorobenzene-d4	111000

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

M = MS/MSD acceptance 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

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: VX1021WBSD01
Lab Sample ID: VX1021WBSD01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3400
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	18.0		1	0.22	0.50	1.00	ug/L	10/21/25 10:33	VX102125
74-87-3	Chloromethane	17.3		1	0.32	0.50	1.00	ug/L	10/21/25 10:33	VX102125
75-01-4	Vinyl Chloride	16.9		1	0.26	0.75	1.00	ug/L	10/21/25 10:33	VX102125
74-83-9	Bromomethane	19.0		1	1.40	3.80	5.00	ug/L	10/21/25 10:33	VX102125
75-00-3	Chloroethane	19.0		1	0.47	0.75	1.00	ug/L	10/21/25 10:33	VX102125
75-69-4	Trichlorofluoromethane	17.9		1	0.33	0.50	1.00	ug/L	10/21/25 10:33	VX102125
76-13-1	1,1,2-Trichlorotrifluoroethane	17.7		1	0.25	0.50	1.00	ug/L	10/21/25 10:33	VX102125
75-35-4	1,1-Dichloroethene	17.9		1	0.23	0.75	1.00	ug/L	10/21/25 10:33	VX102125
67-64-1	Acetone	81.6		1	1.50	3.80	5.00	ug/L	10/21/25 10:33	VX102125
75-15-0	Carbon Disulfide	16.9		1	0.21	0.75	1.00	ug/L	10/21/25 10:33	VX102125
1634-04-4	Methyl tert-butyl Ether	18.0		1	0.16	0.50	1.00	ug/L	10/21/25 10:33	VX102125
79-20-9	Methyl Acetate	16.9		1	0.27	0.75	1.00	ug/L	10/21/25 10:33	VX102125
75-09-2	Methylene Chloride	18.5		1	0.28	0.50	1.00	ug/L	10/21/25 10:33	VX102125
156-60-5	trans-1,2-Dichloroethene	18.8		1	0.23	0.50	1.00	ug/L	10/21/25 10:33	VX102125
75-34-3	1,1-Dichloroethane	18.8		1	0.23	0.50	1.00	ug/L	10/21/25 10:33	VX102125
110-82-7	Cyclohexane	18.4		1	1.50	2.50	5.00	ug/L	10/21/25 10:33	VX102125
78-93-3	2-Butanone	85.7		1	0.98	2.50	5.00	ug/L	10/21/25 10:33	VX102125
56-23-5	Carbon Tetrachloride	17.2		1	0.25	0.50	1.00	ug/L	10/21/25 10:33	VX102125
156-59-2	cis-1,2-Dichloroethene	19.1		1	0.19	0.75	1.00	ug/L	10/21/25 10:33	VX102125
74-97-5	Bromochloromethane	21.3		1	0.22	0.50	1.00	ug/L	10/21/25 10:33	VX102125
67-66-3	Chloroform	19.0		1	0.25	0.50	1.00	ug/L	10/21/25 10:33	VX102125
71-55-6	1,1,1-Trichloroethane	18.3		1	0.20	0.50	1.00	ug/L	10/21/25 10:33	VX102125
108-87-2	Methylcyclohexane	18.2		1	0.16	0.50	1.00	ug/L	10/21/25 10:33	VX102125
71-43-2	Benzene	18.8		1	0.15	0.50	1.00	ug/L	10/21/25 10:33	VX102125
107-06-2	1,2-Dichloroethane	18.5		1	0.22	0.50	1.00	ug/L	10/21/25 10:33	VX102125
79-01-6	Trichloroethene	18.3		1	0.090	0.75	1.00	ug/L	10/21/25 10:33	VX102125
78-87-5	1,2-Dichloropropane	19.8		1	0.20	0.50	1.00	ug/L	10/21/25 10:33	VX102125
75-27-4	Bromodichloromethane	18.8		1	0.22	0.50	1.00	ug/L	10/21/25 10:33	VX102125
108-10-1	4-Methyl-2-Pentanone	89.0		1	0.68	2.50	5.00	ug/L	10/21/25 10:33	VX102125
108-88-3	Toluene	18.9		1	0.14	0.50	1.00	ug/L	10/21/25 10:33	VX102125
10061-02-6	t-1,3-Dichloropropene	18.5		1	0.17	0.50	1.00	ug/L	10/21/25 10:33	VX102125
10061-01-5	cis-1,3-Dichloropropene	18.5		1	0.16	0.50	1.00	ug/L	10/21/25 10:33	VX102125
79-00-5	1,1,2-Trichloroethane	19.3		1	0.21	0.50	1.00	ug/L	10/21/25 10:33	VX102125
591-78-6	2-Hexanone	87.8		1	0.89	2.50	5.00	ug/L	10/21/25 10:33	VX102125
124-48-1	Dibromochloromethane	18.3		1	0.18	0.50	1.00	ug/L	10/21/25 10:33	VX102125
106-93-4	1,2-Dibromoethane	18.6		1	0.15	0.50	1.00	ug/L	10/21/25 10:33	VX102125
127-18-4	Tetrachloroethene	17.5		1	0.23	0.50	1.00	ug/L	10/21/25 10:33	VX102125
108-90-7	Chlorobenzene	18.9		1	0.12	0.50	1.00	ug/L	10/21/25 10:33	VX102125
100-41-4	Ethyl Benzene	18.3		1	0.13	0.50	1.00	ug/L	10/21/25 10:33	VX102125
179601-23-1	m/p-Xylenes	37.5		1	0.24	1.00	2.00	ug/L	10/21/25 10:33	VX102125
95-47-6	o-Xylene	18.5		1	0.12	0.50	1.00	ug/L	10/21/25 10:33	VX102125
100-42-5	Styrene	19.2		1	0.15	0.50	1.00	ug/L	10/21/25 10:33	VX102125
75-25-2	Bromoform	17.7		1	0.19	0.50	1.00	ug/L	10/21/25 10:33	VX102125

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: VX1021WBSD01
Lab Sample ID: VX1021WBSD01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3400
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	18.5		1	0.12	0.50	1.00	ug/L	10/21/25 10:33	VX102125
79-34-5	1,1,2,2-Tetrachloroethane	18.4		1	0.26	0.50	1.00	ug/L	10/21/25 10:33	VX102125
541-73-1	1,3-Dichlorobenzene	18.2		1	0.16	0.50	1.00	ug/L	10/21/25 10:33	VX102125
106-46-7	1,4-Dichlorobenzene	18.2		1	0.19	0.50	1.00	ug/L	10/21/25 10:33	VX102125
95-50-1	1,2-Dichlorobenzene	18.6		1	0.16	0.50	1.00	ug/L	10/21/25 10:33	VX102125
96-12-8	1,2-Dibromo-3-Chloropropane	16.9		1	0.53	0.75	1.00	ug/L	10/21/25 10:33	VX102125
120-82-1	1,2,4-Trichlorobenzene	16.8		1	0.20	0.50	1.00	ug/L	10/21/25 10:33	VX102125
87-61-6	1,2,3-Trichlorobenzene	17.3		1	0.20	0.75	1.00	ug/L	10/21/25 10:33	VX102125

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	46.5			81 - 118		93%	SPK: 50
1868-53-7	Dibromofluoromethane	48.0			80 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	47.9			89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3			85 - 114		95%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	138000
540-36-3	1,4-Difluorobenzene	224000
3114-55-4	Chlorobenzene-d5	203000
3855-82-1	1,4-Dichlorobenzene-d4	101000

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

M = MS/MSD acceptance 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

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: <u>Alliance</u>	Contract: <u>ICES02</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q3400</u>
Instrument ID: <u>MSVOA_X</u>	Calibration Date(s): <u>10/20/2025</u> <u>10/20/2025</u>
Heated Purge: (Y/N) <u>N</u>	Calibration Time(s): <u>10:59</u> <u>13:49</u>
GC Column: <u>DB-624UI</u> ID: <u>0.18</u> (mm)	

LAB FILE ID:		RRF001 = VX048229.D		RRF020 = VX048231.D		RRF050 = VX048232.D		
		RRF100 = VX048233.D		RRF150 = VX048234.D		RRF005 = VX048236.D		
COMPOUND	RRF001	RRF020	RRF050	RRF100	RRF150	RRF005	RRF	% RSD
Dichlorodifluoromethane	0.522	0.513	0.483	0.540	0.504	0.522	0.514	3.7
Chloromethane	0.506	0.468	0.449	0.476	0.471	0.508	0.480	4.8
Vinyl Chloride	0.447	0.437	0.416	0.462	0.445	0.458	0.444	3.7
Bromomethane		0.323	0.282	0.280	0.276	0.346	0.302	10.4
Chloroethane	0.233	0.277	0.247	0.282	0.267	0.261	0.261	7.2
Trichlorofluoromethane	0.776	0.874	0.807	0.907	0.869	0.880	0.852	5.8
1,1,2-Trichlorotrifluoroethane	0.512	0.540	0.501	0.583	0.549	0.553	0.540	5.5
1,1-Dichloroethene	0.515	0.548	0.485	0.558	0.531	0.514	0.525	5
Acetone	0.300	0.250	0.202	0.221	0.206	0.262	0.240	15.7
Carbon Disulfide	2.034	1.612	1.442	1.617	1.532	1.689	1.654	12.4
Methyl tert-butyl Ether	1.894	1.909	1.704	1.817	1.764	1.657	1.791	5.7
Methyl Acetate	0.514	0.551	0.466	0.514	0.504	0.464	0.502	6.6
Methylene Chloride	0.555	0.651	0.552	0.597	0.567	0.595	0.586	6.4
trans-1,2-Dichloroethene	0.587	0.585	0.535	0.592	0.558	0.603	0.577	4.4
1,1-Dichloroethane	1.116	1.085	0.977	1.055	1.019	1.054	1.051	4.6
Cyclohexane		0.894	0.821	0.926	0.866	0.843	0.870	4.8
2-Butanone	0.311	0.329	0.281	0.301	0.290	0.315	0.304	5.7
Carbon Tetrachloride	0.650	0.594	0.553	0.604	0.567	0.622	0.599	5.9
cis-1,2-Dichloroethene	0.682	0.700	0.626	0.695	0.661	0.673	0.673	4
Bromochloromethane	0.388	0.404	0.441	0.462	0.452	0.469	0.436	7.5
Chloroform	1.147	1.208	1.046	1.127	1.067	1.143	1.123	5.2
1,1,1-Trichloroethane	1.049	1.085	0.973	1.055	1.007	1.041	1.035	3.8
Methylcyclohexane	0.551	0.548	0.540	0.626	0.582	0.590	0.573	5.7
Benzene	1.493	1.480	1.301	1.426	1.347	1.405	1.409	5.3
1,2-Dichloroethane	0.529	0.566	0.500	0.528	0.496	0.499	0.520	5.2
Trichloroethene	0.400	0.373	0.348	0.380	0.363	0.366	0.372	4.7
1,2-Dichloropropane	0.309	0.362	0.321	0.347	0.333	0.337	0.335	5.5
Bromodichloromethane	0.570	0.592	0.538	0.573	0.538	0.567	0.563	3.8
4-Methyl-2-Pentanone	0.366	0.422	0.377	0.384	0.362	0.374	0.381	5.7
Toluene	0.881	0.944	0.862	0.910	0.849	0.925	0.895	4.2

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:	<u>Alliance</u>	Contract:	<u>ICES02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3400</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date(s):	<u>10/20/2025</u> <u>10/20/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Calibration Time(s):	<u>10:59</u> <u>13:49</u>
GC Column:	<u>DB-624UI</u> ID: <u>0.18</u> (mm)		

LAB FILE ID:		RRF001 = VX048229.D		RRF020 = VX048231.D		RRF050 = VX048232.D		
		RRF100 = VX048233.D		RRF150 = VX048234.D		RRF005 = VX048236.D		
COMPOUND	RRF001	RRF020	RRF050	RRF100	RRF150	RRF005	RRF	% RSD
t-1,3-Dichloropropene	0.477	0.582	0.545	0.574	0.553	0.526	0.543	7
cis-1,3-Dichloropropene	0.582	0.604	0.572	0.615	0.585	0.556	0.586	3.7
1,1,2-Trichloroethane	0.318	0.357	0.321	0.333	0.313	0.355	0.333	5.8
2-Hexanone	0.231	0.298	0.267	0.271	0.256	0.271	0.266	8.3
Dibromochloromethane	0.482	0.476	0.425	0.442	0.418	0.441	0.447	5.9
1,2-Dibromoethane	0.346	0.393	0.342	0.359	0.336	0.353	0.355	5.7
Tetrachloroethene	0.418	0.378	0.328	0.370	0.361	0.385	0.373	7.9
Chlorobenzene	1.149	1.159	1.045	1.148	1.102	1.145	1.125	3.9
Ethyl Benzene	1.905	1.954	1.825	2.008	1.922	1.876	1.915	3.3
m/p-Xylenes	0.647	0.750	0.687	0.750	0.707	0.727	0.712	5.6
o-Xylene	0.652	0.712	0.664	0.723	0.686	0.684	0.687	3.9
Styrene	1.054	1.236	1.143	1.247	1.173	1.165	1.170	6
Bromoform	0.338	0.350	0.308	0.335	0.326	0.325	0.330	4.3
Isopropylbenzene	3.618	3.656	3.430	3.875	3.754	3.579	3.652	4.2
1,1,2,2-Tetrachloroethane	0.988	1.065	0.946	1.018	0.992	0.974	0.997	4.1
1,3-Dichlorobenzene	1.863	1.742	1.550	1.747	1.707	1.750	1.726	5.9
1,4-Dichlorobenzene	2.143	1.803	1.577	1.724	1.710	1.772	1.788	10.6
1,2-Dichlorobenzene	1.803	1.631	1.494	1.619	1.588	1.590	1.621	6.3
1,2-Dibromo-3-Chloropropane	0.167	0.219	0.195	0.224	0.223	0.187	0.202	11.5
1,2,4-Trichlorobenzene	1.441	0.975	0.959	1.114	1.094	0.994	1.096	16.5
1,2,3-Trichlorobenzene	1.154	0.942	0.909	1.050	1.033	0.947	1.006	9
1,2-Dichloroethane-d4		0.709	0.682	0.690	0.698	0.725	0.701	2.4
Dibromofluoromethane		0.345	0.330	0.346	0.348	0.338	0.341	2.2
Toluene-d8		1.185	1.185	1.196	1.195	1.221	1.196	1.2
4-Bromofluorobenzene		0.445	0.444	0.446	0.441	0.500	0.455	5.5

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ICES02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3400</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/21/2025 08:43</u>
Lab File ID:	<u>VX048252.D</u>	Init. Calib. Date(s):	<u>10/20/2025 10/20/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>10:59 13:49</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.514	0.496		-3.5	20
Chloromethane	0.480	0.468	0.1	-2.5	20
Vinyl Chloride	0.444	0.448		0.9	20
Bromomethane	0.302	0.299		-0.99	20
Chloroethane	0.261	0.261		0	20
Trichlorofluoromethane	0.852	0.813		-4.58	20
1,1,2-Trichlorotrifluoroethane	0.540	0.513		-5	20
1,1-Dichloroethene	0.525	0.498		-5.14	20
Acetone	0.240	0.230		-4.17	20
Carbon Disulfide	1.654	1.439		-13	20
Methyl tert-butyl Ether	1.791	1.576		-12	20
Methyl Acetate	0.502	0.411		-18.13	20
Methylene Chloride	0.586	0.556		-5.12	20
trans-1,2-Dichloroethene	0.577	0.538		-6.76	20
1,1-Dichloroethane	1.051	0.952	0.1	-9.42	20
Cyclohexane	0.870	0.788		-9.43	20
2-Butanone	0.304	0.260		-14.47	20
Carbon Tetrachloride	0.599	0.533		-11.02	20
cis-1,2-Dichloroethene	0.673	0.610		-9.36	20
Bromochloromethane	0.436	0.435		-0.23	20
Chloroform	1.123	1.006		-10.42	20
1,1,1-Trichloroethane	1.035	0.920		-11.11	20
Methylcyclohexane	0.573	0.510		-10.99	20
Benzene	1.409	1.280		-9.15	20
1,2-Dichloroethane	0.520	0.466		-10.39	20
Trichloroethene	0.372	0.337		-9.41	20
1,2-Dichloropropane	0.335	0.305		-8.95	20
Bromodichloromethane	0.563	0.510		-9.41	20
4-Methyl-2-Pentanone	0.381	0.302		-20.74	20
Toluene	0.895	0.795		-11.17	20
t-1,3-Dichloropropene	0.543	0.493		-9.21	20
cis-1,3-Dichloropropene	0.586	0.529		-9.73	20
1,1,2-Trichloroethane	0.333	0.291		-12.61	20
2-Hexanone	0.266	0.227		-14.66	20
Dibromochloromethane	0.447	0.388		-13.2	20
1,2-Dibromoethane	0.355	0.307		-13.52	20
Tetrachloroethene	0.373	0.325		-12.87	20
Chlorobenzene	1.125	1.025	0.3	-8.89	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ICES02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3400</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/21/2025 08:43</u>
Lab File ID:	<u>VX048252.D</u>	Init. Calib. Date(s):	<u>10/20/2025 10/20/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>10:59 13:49</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.915	1.738		-9.24	20
m/p-Xylenes	0.712	0.666		-6.46	20
o-Xylene	0.687	0.625		-9.02	20
Styrene	1.170	1.107		-5.39	20
Bromoform	0.330	0.283	0.1	-14.24	20
Isopropylbenzene	3.652	3.379		-7.47	20
1,1,2,2-Tetrachloroethane	0.997	0.857	0.3	-14.04	20
1,3-Dichlorobenzene	1.726	1.555		-9.91	20
1,4-Dichlorobenzene	1.788	1.551		-13.26	20
1,2-Dichlorobenzene	1.621	1.416		-12.65	20
1,2-Dibromo-3-Chloropropane	0.202	0.163		-19.31	20
1,2,4-Trichlorobenzene	1.096	0.885		-19.25	20
1,2,3-Trichlorobenzene	1.006	0.834		-17.1	20
1,2-Dichloroethane-d4	0.701	0.658		-6.13	20
Dibromofluoromethane	0.341	0.340		-0.29	20
Toluene-d8	1.196	1.150		-3.85	20
4-Bromofluorobenzene	0.455	0.419		-7.91	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ICES02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3400</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/21/2025 18:09</u>
Lab File ID:	<u>VX048278.D</u>	Init. Calib. Date(s):	<u>10/20/2025 10/20/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>10:59 13:49</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.514	0.469		-8.76	50
Chloromethane	0.480	0.395	0.1	-17.71	50
Vinyl Chloride	0.444	0.366		-17.57	50
Bromomethane	0.302	0.258		-14.57	50
Chloroethane	0.261	0.231		-11.49	50
Trichlorofluoromethane	0.852	0.801		-5.99	50
1,1,2-Trichlorotrifluoroethane	0.540	0.479		-11.3	50
1,1-Dichloroethene	0.525	0.490		-6.67	50
Acetone	0.240	0.185		-22.92	50
Carbon Disulfide	1.654	1.375		-16.87	50
Methyl tert-butyl Ether	1.791	1.749		-2.35	50
Methyl Acetate	0.502	0.451		-10.16	50
Methylene Chloride	0.586	0.564		-3.75	50
trans-1,2-Dichloroethene	0.577	0.537		-6.93	50
1,1-Dichloroethane	1.051	0.987	0.1	-6.09	50
Cyclohexane	0.870	0.770		-11.49	50
2-Butanone	0.304	0.262		-13.82	50
Carbon Tetrachloride	0.599	0.547		-8.68	50
cis-1,2-Dichloroethene	0.673	0.652		-3.12	50
Bromochloromethane	0.436	0.416		-4.59	50
Chloroform	1.123	1.104		-1.69	50
1,1,1-Trichloroethane	1.035	1.009		-2.51	50
Methylcyclohexane	0.573	0.489		-14.66	50
Benzene	1.409	1.285		-8.8	50
1,2-Dichloroethane	0.520	0.519		-0.19	50
Trichloroethene	0.372	0.348		-6.45	50
1,2-Dichloropropane	0.335	0.311		-7.16	50
Bromodichloromethane	0.563	0.545		-3.2	50
4-Methyl-2-Pentanone	0.381	0.346		-9.19	50
Toluene	0.895	0.860		-3.91	50
t-1,3-Dichloropropene	0.543	0.540		-0.55	50
cis-1,3-Dichloropropene	0.586	0.561		-4.27	50
1,1,2-Trichloroethane	0.333	0.324		-2.7	50
2-Hexanone	0.266	0.244		-8.27	50
Dibromochloromethane	0.447	0.441		-1.34	50
1,2-Dibromoethane	0.355	0.344		-3.1	50
Tetrachloroethene	0.373	0.316		-15.28	50
Chlorobenzene	1.125	1.027	0.3	-8.71	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ICES02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3400</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/21/2025 18:09</u>
Lab File ID:	<u>VX048278.D</u>	Init. Calib. Date(s):	<u>10/20/2025 10/20/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>10:59 13:49</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.915	1.736		-9.35	50
m/p-Xylenes	0.712	0.662		-7.02	50
o-Xylene	0.687	0.645		-6.11	50
Styrene	1.170	1.126		-3.76	50
Bromoform	0.330	0.304	0.1	-7.88	50
Isopropylbenzene	3.652	3.018		-17.36	50
1,1,2,2-Tetrachloroethane	0.997	0.843	0.3	-15.45	50
1,3-Dichlorobenzene	1.726	1.412		-18.19	50
1,4-Dichlorobenzene	1.788	1.440		-19.46	50
1,2-Dichlorobenzene	1.621	1.364		-15.85	50
1,2-Dibromo-3-Chloropropane	0.202	0.166		-17.82	50
1,2,4-Trichlorobenzene	1.096	0.844		-22.99	50
1,2,3-Trichlorobenzene	1.006	0.810		-19.48	50
1,2-Dichloroethane-d4	0.701	0.787		12.27	50
Dibromofluoromethane	0.341	0.360		5.57	50
Toluene-d8	1.196	1.238		3.51	50
4-Bromofluorobenzene	0.455	0.547		20.22	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

LAB CHRONICLE

OrderID:	Q3400	OrderDate:	10/20/2025 1:25:31 PM
Client:	ICE Service Group, Inc.	Project:	NWIRP Northrup Grumman Site – Bethpage, NY
Contact:	Dennis D. Morgan, II	Location:	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3400-01	FRAC-TANK-0760450	Water	SVOC-TCL BNA -20	8270E	10/20/25	10/22/25	10/27/25	10/20/25



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

Hit Summary Sheet
SW-846

SDG No.: Q3400
Client: ICE Service Group, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : FRAC-TANK-0760450								
Q3400-01	FRAC-TANK-0760450	WATER	Benzophenone	*	9.100	J	0	ug/L
Q3400-01	FRAC-TANK-0760450	WATER	n-Hexadecanoic acid	*	6.600	J	0	ug/L
Total Tics :				15.70				
Total Concentration:				15.70				



SAMPLE DATA

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: FRAC-TANK-0760450
Lab Sample ID: Q3400-01
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 990 mL Final Vol: 1000 uL
Prep Method : 3510 Prep Date: 10/22/25 09:08

Date Collected: 10/20/25
Date Received: 10/20/25
SDG No.: Q3400
Matrix: Water
% Solid: 0
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
100-52-7	Benzaldehyde	8.10	U	1	3.90	8.10	10.1	ug/L	10/27/25 18:47	PB170222
108-95-2	Phenol	4.00	U	1	0.92	4.00	5.10	ug/L	10/27/25 18:47	PB170222
111-44-4	bis(2-Chloroethyl)ether	4.00	U	1	0.82	4.00	5.10	ug/L	10/27/25 18:47	PB170222
95-57-8	2-Chlorophenol	4.00	U	1	0.59	4.00	5.10	ug/L	10/27/25 18:47	PB170222
95-48-7	2-Methylphenol	4.00	U	1	1.10	4.00	5.10	ug/L	10/27/25 18:47	PB170222
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1	1.30	4.00	5.10	ug/L	10/27/25 18:47	PB170222
98-86-2	Acetophenone	4.00	U	1	0.75	4.00	5.10	ug/L	10/27/25 18:47	PB170222
65794-96-9	3+4-Methylphenols	8.10	U	1	1.10	8.10	10.1	ug/L	10/27/25 18:47	PB170222
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1	1.40	2.50	2.50	ug/L	10/27/25 18:47	PB170222
67-72-1	Hexachloroethane	4.00	U	1	0.66	4.00	5.10	ug/L	10/27/25 18:47	PB170222
98-95-3	Nitrobenzene	4.00	U	1	0.77	4.00	5.10	ug/L	10/27/25 18:47	PB170222
78-59-1	Isophorone	4.00	U	1	0.76	4.00	5.10	ug/L	10/27/25 18:47	PB170222
88-75-5	2-Nitrophenol	4.00	U	1	1.80	4.00	5.10	ug/L	10/27/25 18:47	PB170222
105-67-9	2,4-Dimethylphenol	4.00	U	1	1.90	4.00	5.10	ug/L	10/27/25 18:47	PB170222
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	1	0.69	4.00	5.10	ug/L	10/27/25 18:47	PB170222
120-83-2	2,4-Dichlorophenol	4.00	U	1	0.53	4.00	5.10	ug/L	10/27/25 18:47	PB170222
91-20-3	Naphthalene	4.00	U	1	0.51	4.00	5.10	ug/L	10/27/25 18:47	PB170222
106-47-8	4-Chloroaniline	4.00	U	1	0.85	4.00	5.10	ug/L	10/27/25 18:47	PB170222
87-68-3	Hexachlorobutadiene	4.00	U	1	0.55	4.00	5.10	ug/L	10/27/25 18:47	PB170222
105-60-2	Caprolactam	8.10	U	1	1.10	8.10	10.1	ug/L	10/27/25 18:47	PB170222
59-50-7	4-Chloro-3-methylphenol	4.00	U	1	0.60	4.00	5.10	ug/L	10/27/25 18:47	PB170222
91-57-6	2-Methylnaphthalene	4.00	U	1	0.57	4.00	5.10	ug/L	10/27/25 18:47	PB170222
77-47-4	Hexachlorocyclopentadiene	8.10	U	1	3.70	8.10	10.1	ug/L	10/27/25 18:47	PB170222
88-06-2	2,4,6-Trichlorophenol	4.00	U	1	0.52	4.00	5.10	ug/L	10/27/25 18:47	PB170222
95-95-4	2,4,5-Trichlorophenol	4.00	U	1	0.63	4.00	5.10	ug/L	10/27/25 18:47	PB170222
92-52-4	1,1-Biphenyl	4.00	U	1	0.54	4.00	5.10	ug/L	10/27/25 18:47	PB170222
91-58-7	2-Chloronaphthalene	4.00	U	1	0.62	4.00	5.10	ug/L	10/27/25 18:47	PB170222
88-74-4	2-Nitroaniline	4.00	U	1	1.30	4.00	5.10	ug/L	10/27/25 18:47	PB170222
131-11-3	Dimethylphthalate	4.00	U	1	0.62	4.00	5.10	ug/L	10/27/25 18:47	PB170222
208-96-8	Acenaphthylene	4.00	U	1	0.76	4.00	5.10	ug/L	10/27/25 18:47	PB170222
606-20-2	2,6-Dinitrotoluene	4.00	U	1	0.93	4.00	5.10	ug/L	10/27/25 18:47	PB170222
99-09-2	3-Nitroaniline	4.00	U	1	1.10	4.00	5.10	ug/L	10/27/25 18:47	PB170222
83-32-9	Acenaphthene	4.00	U	1	0.56	4.00	5.10	ug/L	10/27/25 18:47	PB170222
51-28-5	2,4-Dinitrophenol	8.10	U	1	6.00	8.10	10.1	ug/L	10/27/25 18:47	PB170222
100-02-7	4-Nitrophenol	8.10	U	1	2.40	8.10	10.1	ug/L	10/27/25 18:47	PB170222
132-64-9	Dibenzofuran	4.00	U	1	0.62	4.00	5.10	ug/L	10/27/25 18:47	PB170222
121-14-2	2,4-Dinitrotoluene	4.00	U	1	1.20	4.00	5.10	ug/L	10/27/25 18:47	PB170222
84-66-2	Diethylphthalate	4.00	U	1	0.70	4.00	5.10	ug/L	10/27/25 18:47	PB170222
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	1	0.69	4.00	5.10	ug/L	10/27/25 18:47	PB170222
86-73-7	Fluorene	4.00	U	1	0.64	4.00	5.10	ug/L	10/27/25 18:47	PB170222
100-01-6	4-Nitroaniline	4.00	U	1	1.50	4.00	5.10	ug/L	10/27/25 18:47	PB170222
534-52-1	4,6-Dinitro-2-methylphenol	8.10	U	1	2.90	8.10	10.1	ug/L	10/27/25 18:47	PB170222

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: FRAC-TANK-0760450
Lab Sample ID: Q3400-01
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 990 mL Final Vol: 1000 uL
Prep Method : 3510 Prep Date: 10/22/25 09:08

Date Collected: 10/20/25
Date Received: 10/20/25
SDG No.: Q3400
Matrix: Water
% Solid: 0
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	4.00	U	1	0.59	4.00	5.10	ug/L	10/27/25 18:47	PB170222
101-55-3	4-Bromophenyl-phenylether	4.00	U	1	0.40	4.00	5.10	ug/L	10/27/25 18:47	PB170222
118-74-1	Hexachlorobenzene	4.00	U	1	0.53	4.00	5.10	ug/L	10/27/25 18:47	PB170222
1912-24-9	Atrazine	4.00	U	1	1.00	4.00	5.10	ug/L	10/27/25 18:47	PB170222
87-86-5	Pentachlorophenol	8.10	U	1	1.60	8.10	10.1	ug/L	10/27/25 18:47	PB170222
85-01-8	Phenanthrene	4.00	U	1	0.51	4.00	5.10	ug/L	10/27/25 18:47	PB170222
120-12-7	Anthracene	4.00	U	1	0.62	4.00	5.10	ug/L	10/27/25 18:47	PB170222
86-74-8	Carbazole	4.00	U	1	0.73	4.00	5.10	ug/L	10/27/25 18:47	PB170222
84-74-2	Di-n-butylphthalate	4.00	U	1	1.20	4.00	5.10	ug/L	10/27/25 18:47	PB170222
206-44-0	Fluoranthene	4.00	U	1	0.83	4.00	5.10	ug/L	10/27/25 18:47	PB170222
129-00-0	Pyrene	4.00	U	1	0.51	4.00	5.10	ug/L	10/27/25 18:47	PB170222
85-68-7	Butylbenzylphthalate	4.00	U	1	1.90	4.00	5.10	ug/L	10/27/25 18:47	PB170222
91-94-1	3,3-Dichlorobenzidine	8.10	U	1	0.94	8.10	10.1	ug/L	10/27/25 18:47	PB170222
56-55-3	Benzo(a)anthracene	4.00	U	1	0.45	4.00	5.10	ug/L	10/27/25 18:47	PB170222
218-01-9	Chrysene	4.00	U	1	0.44	4.00	5.10	ug/L	10/27/25 18:47	PB170222
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1	1.60	4.00	5.10	ug/L	10/27/25 18:47	PB170222
117-84-0	Di-n-octyl phthalate	8.10	U	1	2.40	8.10	10.1	ug/L	10/27/25 18:47	PB170222
205-99-2	Benzo(b)fluoranthene	4.00	U	1	0.49	4.00	5.10	ug/L	10/27/25 18:47	PB170222
207-08-9	Benzo(k)fluoranthene	4.00	U	1	0.48	4.00	5.10	ug/L	10/27/25 18:47	PB170222
50-32-8	Benzo(a)pyrene	4.00	U	1	0.56	4.00	5.10	ug/L	10/27/25 18:47	PB170222
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	1	0.60	4.00	5.10	ug/L	10/27/25 18:47	PB170222
53-70-3	Dibenzo(a,h)anthracene	4.00	U	1	0.68	4.00	5.10	ug/L	10/27/25 18:47	PB170222
191-24-2	Benzo(g,h,i)perylene	4.00	U	1	0.70	4.00	5.10	ug/L	10/27/25 18:47	PB170222
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	1	0.53	4.00	5.10	ug/L	10/27/25 18:47	PB170222
123-91-1	1,4-Dioxane	4.00	UQ	1	1.00	4.00	5.10	ug/L	10/27/25 18:47	PB170222
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	1	0.73	4.00	5.10	ug/L	10/27/25 18:47	PB170222

SURROGATES

367-12-4	2-Fluorophenol	88.7		19 - 119	59%	SPK: 150
13127-88-3	Phenol-d6	57.7		10 - 130	38%	SPK: 150
4165-60-0	Nitrobenzene-d5	100		44 - 120	100%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.6		44 - 119	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	137		43 - 140	91%	SPK: 150
1718-51-0	Terphenyl-d14	68.9		50 - 134	69%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	33800
1146-65-2	Naphthalene-d8	134000
15067-26-2	Acenaphthene-d10	109000
1517-22-2	Phenanthrene-d10	263000
1719-03-5	Chrysene-d12	285000
1520-96-3	Perylene-d12	311000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	9.10	J	16.2	ug/L
000057-10-3	n-Hexadecanoic acid	6.60	J	18.5	ug/L

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:	FRAC-TANK-0760450	SDG No.:	Q3400
Lab Sample ID:	Q3400-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 mL	Test:	SVOC-TCL BNA -20
Prep Method :	3510		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/22/25 09:08		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
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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
 M = MS/MSD acceptance 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
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q3400

Client: ICE Service Group, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB170222BL	PB170222BL	2-Fluorophenol	150	162	108		19	119
		Phenol-d6	150	157	105		10	130
		Nitrobenzene-d5	100	96.1	96		44	120
		2-Fluorobiphenyl	100	93.5	94		44	119
		2,4,6-Tribromophenol	150	143	95		43	140
		Terphenyl-d14	100	94.1	94		50	134
PB170222BS	PB170222BS	2-Fluorophenol	150	124	82		19	119
		Phenol-d6	150	123	82		10	130
		Nitrobenzene-d5	100	83.3	83		44	120
		2-Fluorobiphenyl	100	80.1	80		44	119
		2,4,6-Tribromophenol	150	127	84		43	140
		Terphenyl-d14	100	82.9	83		50	134
PB170222BSD	PB170222BSD	2-Fluorophenol	150	145	97		19	119
		Phenol-d6	150	125	83		10	130
		Nitrobenzene-d5	100	88.5	88		44	120
		2-Fluorobiphenyl	100	79.8	80		44	119
		2,4,6-Tribromophenol	150	124	83		43	140
		Terphenyl-d14	100	83.4	83		50	134
Q3400-01	FRAC-TANK-0760450	2-Fluorophenol	150	88.7	59		19	119
		Phenol-d6	150	57.7	38		10	130
		Nitrobenzene-d5	100	100	100		44	120
		2-Fluorobiphenyl	100	84.6	85		44	119
		2,4,6-Tribromophenol	150	137	91		43	140
		Terphenyl-d14	100	68.9	69		50	134

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3400

Analytical Method: 8270E

Client: ICE Service Group, Inc.

DataFile: BG064585.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB170222BS	Benzaldehyde	50	13.2	ug/L	26				10	161	
	Phenol	50	40.8	ug/L	82				10	132	
	bis(2-Chloroethyl)ether	50	27.3	ug/L	55				43	118	
	2-Chlorophenol	50	41.9	ug/L	84				38	117	
	2-Methylphenol	50	39.5	ug/L	79				30	117	
	2,2-oxybis(1-Chloropropane)	50	32.0	ug/L	64				37	130	
	Acetophenone	50	42.0	ug/L	84				46	118	
	3+4-Methylphenols	50	34.8	ug/L	70				29	110	
	N-Nitroso-di-n-propylamine	50	33.2	ug/L	66				49	119	
	Hexachloroethane	50	32.7	ug/L	65				21	115	
	Nitrobenzene	50	40.6	ug/L	81				45	121	
	Isophorone	50	39.6	ug/L	79				42	124	
	2-Nitrophenol	50	35.3	ug/L	71				47	123	
	2,4-Dimethylphenol	50	48.9	ug/L	98				31	124	
	bis(2-Chloroethoxy)methane	50	40.2	ug/L	80				48	120	
	2,4-Dichlorophenol	50	44.8	ug/L	90				47	121	
	Naphthalene	50	39.3	ug/L	79				40	121	
	4-Chloroaniline	50	20.8	ug/L	42				33	117	
	Hexachlorobutadiene	50	39.1	ug/L	78				22	124	
	Caprolactam	50	39.1	ug/L	78				10	161	
	4-Chloro-3-methylphenol	50	42.4	ug/L	85				52	119	
	2-Methylnaphthalene	50	36.6	ug/L	73				40	121	
	Hexachlorocyclopentadiene	100	98.2	ug/L	98				10	155	
	2,4,6-Trichlorophenol	50	43.5	ug/L	87				50	125	
	2,4,5-Trichlorophenol	50	42.8	ug/L	86				53	123	
	1,1-Biphenyl	50	42.4	ug/L	85				49	115	
	2-Chloronaphthalene	50	39.3	ug/L	79				40	116	
	2-Nitroaniline	50	36.3	ug/L	73				55	127	
	Dimethylphthalate	50	39.8	ug/L	80				45	127	
	Acenaphthylene	50	45.0	ug/L	90				41	130	
	2,6-Dinitrotoluene	50	41.3	ug/L	83				57	124	
	3-Nitroaniline	50	29.3	ug/L	59				41	128	
	Acenaphthene	50	42.0	ug/L	84				47	122	
	2,4-Dinitrophenol	100	74.3	ug/L	74				23	143	
	4-Nitrophenol	100	82.7	ug/L	83				10	161	
	Dibenzofuran	50	39.8	ug/L	80				53	118	
	2,4-Dinitrotoluene	50	39.0	ug/L	78				57	128	
	Diethylphthalate	50	39.4	ug/L	79				56	125	
	4-Chlorophenyl-phenylether	50	40.0	ug/L	80				53	121	
	Fluorene	50	40.9	ug/L	82				52	124	
	4-Nitroaniline	50	42.1	ug/L	84				35	120	
	4,6-Dinitro-2-methylphenol	50	39.3	ug/L	79				44	137	
	N-Nitrosodiphenylamine	50	42.5	ug/L	85				51	123	
	4-Bromophenyl-phenylether	50	40.9	ug/L	82				55	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: <u>Q3400</u>	Analytical Method: <u>8270E</u>
Client: <u>ICE Service Group, Inc.</u>	DataFile: <u>BG064585.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB170222BS	Hexachlorobenzene	50	41.1	ug/L	82				53	125	
	Atrazine	50	40.0	ug/L	80				44	142	
	Pentachlorophenol	100	84.1	ug/L	84				35	138	
	Phenanthrene	50	40.0	ug/L	80				59	120	
	Anthracene	50	40.2	ug/L	80				57	123	
	Carbazole	50	40.3	ug/L	81				60	122	
	Di-n-butylphthalate	50	39.0	ug/L	78				59	127	
	Fluoranthene	50	39.3	ug/L	79				57	128	
	Pyrene	50	39.9	ug/L	80				57	126	
	Butylbenzylphthalate	50	43.2	ug/L	86				53	134	
	3,3-Dichlorobenzidine	50	28.9	ug/L	58				27	129	
	Benzo(a)anthracene	50	40.9	ug/L	82				58	125	
	Chrysene	50	40.1	ug/L	80				59	123	
	bis(2-Ethylhexyl)phthalate	50	42.5	ug/L	85				55	135	
	Di-n-octyl phthalate	50	42.0	ug/L	84				51	140	
	Benzo(b)fluoranthene	50	42.5	ug/L	85				53	131	
	Benzo(k)fluoranthene	50	43.9	ug/L	88				57	129	
	Benzo(a)pyrene	50	44.1	ug/L	88				54	128	
	Indeno(1,2,3-cd)pyrene	50	42.0	ug/L	84				52	134	
	Dibenz(a,h)anthracene	50	43.2	ug/L	86				51	134	
	Benzo(g,h,i)perylene	50	42.0	ug/L	84				50	134	
	1,2,4,5-Tetrachlorobenzene	50	40.9	ug/L	82				35	121	
	1,4-Dioxane	50	30.8	ug/L	62		*		70	130	
	2,3,4,6-Tetrachlorophenol	50	45.3	ug/L	91				50	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3400

Analytical Method: 8270E

Client: ICE Service Group, Inc.

DataFile: BG064586.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB170222BSD	Benzaldehyde	50	13.3	ug/L	27	1			10	161	20	
	Phenol	50	42.3	ug/L	85	4			10	132	20	
	bis(2-Chloroethyl)ether	50	27.9	ug/L	56	2			43	118	20	
	2-Chlorophenol	50	43.8	ug/L	88	4			38	117	20	
	2-Methylphenol	50	42.1	ug/L	84	6			30	117	20	
	2,2-oxybis(1-Chloropropane)	50	37.2	ug/L	74	15			37	130	20	
	Acetophenone	50	42.8	ug/L	86	2			46	118	20	
	3+4-Methylphenols	50	41.8	ug/L	84	18			29	110	20	
	N-Nitroso-di-n-propylamine	50	41.1	ug/L	82	21		*	49	119	20	
	Hexachloroethane	50	38.1	ug/L	76	15			21	115	20	
	Nitrobenzene	50	42.1	ug/L	84	4			45	121	20	
	Isophorone	50	40.0	ug/L	80	1			42	124	20	
	2-Nitrophenol	50	37.9	ug/L	76	7			47	123	20	
	2,4-Dimethylphenol	50	48.0	ug/L	96	2			31	124	20	
	bis(2-Chloroethoxy)methane	50	40.8	ug/L	82	1			48	120	20	
	2,4-Dichlorophenol	50	45.3	ug/L	91	1			47	121	20	
	Naphthalene	50	39.5	ug/L	79	1			40	121	20	
	4-Chloroaniline	50	21.6	ug/L	43	4			33	117	20	
	Hexachlorobutadiene	50	39.0	ug/L	78	0			22	124	20	
	Caprolactam	50	37.7	ug/L	75	4			10	161	20	
	4-Chloro-3-methylphenol	50	42.9	ug/L	86	1			52	119	20	
	2-Methylnaphthalene	50	36.6	ug/L	73	0			40	121	20	
	Hexachlorocyclopentadiene	100	100	ug/L	100	2			10	155	20	
	2,4,6-Trichlorophenol	50	43.7	ug/L	87	0			50	125	20	
	2,4,5-Trichlorophenol	50	43.5	ug/L	87	2			53	123	20	
	1,1-Biphenyl	50	42.1	ug/L	84	1			49	115	20	
	2-Chloronaphthalene	50	39.3	ug/L	79	0			40	116	20	
	2-Nitroaniline	50	38.1	ug/L	76	5			55	127	20	
	Dimethylphthalate	50	39.2	ug/L	78	2			45	127	20	
	Acenaphthylene	50	45.1	ug/L	90	0			41	130	20	
	2,6-Dinitrotoluene	50	42.0	ug/L	84	2			57	124	20	
	3-Nitroaniline	50	30.0	ug/L	60	2			41	128	20	
	Acenaphthene	50	42.2	ug/L	84	0			47	122	20	
	2,4-Dinitrophenol	100	75.2	ug/L	75	1			23	143	20	
	4-Nitrophenol	100	82.1	ug/L	82	1			10	161	20	
	Dibenzofuran	50	39.2	ug/L	78	2			53	118	20	
	2,4-Dinitrotoluene	50	40.6	ug/L	81	4			57	128	20	
	Diethylphthalate	50	38.5	ug/L	77	2			56	125	20	
	4-Chlorophenyl-phenylether	50	39.4	ug/L	79	2			53	121	20	
	Fluorene	50	40.2	ug/L	80	2			52	124	20	
	4-Nitroaniline	50	39.9	ug/L	80	5			35	120	20	
	4,6-Dinitro-2-methylphenol	50	40.8	ug/L	82	4			44	137	20	
	N-Nitrosodiphenylamine	50	42.3	ug/L	85	0			51	123	20	
	4-Bromophenyl-phenylether	50	40.9	ug/L	82	0			55	124	20	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3400

Analytical Method: 8270E

Client: ICE Service Group, Inc.

DataFile: BG064586.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB170222BSD	Hexachlorobenzene	50	41.3	ug/L	83	0			53	125		20
	Atrazine	50	39.8	ug/L	80	1			44	142		20
	Pentachlorophenol	100	86.5	ug/L	87	3			35	138		20
	Phenanthrene	50	40.5	ug/L	81	1			59	120		20
	Anthracene	50	40.0	ug/L	80	0			57	123		20
	Carbazole	50	40.0	ug/L	80	1			60	122		20
	Di-n-butylphthalate	50	38.6	ug/L	77	1			59	127		20
	Fluoranthene	50	38.8	ug/L	78	1			57	128		20
	Pyrene	50	39.9	ug/L	80	0			57	126		20
	Butylbenzylphthalate	50	44.0	ug/L	88	2			53	134		20
	3,3-Dichlorobenzidine	50	28.9	ug/L	58	0			27	129		20
	Benzo(a)anthracene	50	41.1	ug/L	82	0			58	125		20
	Chrysene	50	40.4	ug/L	81	1			59	123		20
	bis(2-Ethylhexyl)phthalate	50	42.9	ug/L	86	1			55	135		20
	Di-n-octyl phthalate	50	42.4	ug/L	85	1			51	140		20
	Benzo(b)fluoranthene	50	43.5	ug/L	87	2			53	131		20
	Benzo(k)fluoranthene	50	43.1	ug/L	86	2			57	129		20
	Benzo(a)pyrene	50	44.8	ug/L	90	2			54	128		20
	Indeno(1,2,3-cd)pyrene	50	42.7	ug/L	85	2			52	134		20
	Dibenz(a,h)anthracene	50	43.6	ug/L	87	1			51	134		20
	Benzo(g,h,i)perylene	50	42.7	ug/L	85	2			50	134		20
	1,2,4,5-Tetrachlorobenzene	50	41.9	ug/L	84	2			35	121		20
	1,4-Dioxane	50	34.3	ug/L	69	11	*		70	130		20
	2,3,4,6-Tetrachlorophenol	50	45.3	ug/L	91	0			50	128		20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB170222BL

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3400

Lab File ID: BG064584.D

Lab Sample ID: PB170222BL

Instrument ID: BNA_G

Date Extracted: 10/22/2025

Matrix: (soil/water) Water

Date Analyzed: 10/27/2025

Level: (low/med) LOW

Time Analyzed: 12:38

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170222BS	PB170222BS	BG064585.D	10/27/2025
PB170222BSD	PB170222BSD	BG064586.D	10/27/2025
FRAC-TANK-0760450	Q3400-01	BG064593.D	10/27/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BG064568.D
Instrument ID: BNA_G

Contract: ICES02
SDG NO.: Q3400
DFTPP Injection Date: 10/24/2025
DFTPP Injection Time: 08:20

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	35.3
70	Less than 2.0% of mass 69	0.1 (0.2) 1
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.2
365	Greater than 1% of mass 198	5.1
441	Present, but less than mass 443	15.1
442	Greater than 50% of mass 198	92.7
443	15.0 - 24.0% of mass 442	17.5 (18.9) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BG064569.D	10/24/2025	09:00
SSTDICC005	SSTDICC005	BG064570.D	10/24/2025	09:41
SSTDICC010	SSTDICC010	BG064571.D	10/24/2025	11:02
SSTDICC020	SSTDICC020	BG064572.D	10/24/2025	12:23
SSTDICCC040	SSTDICCC040	BG064573.D	10/24/2025	13:03
SSTDICC060	SSTDICC060	BG064574.D	10/24/2025	13:44
SSTDICC080	SSTDICC080	BG064575.D	10/24/2025	14:24
SSTDICC050	SSTDICC050	BG064576.D	10/24/2025	15:32

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BG064582.D
Instrument ID: BNA_G

Contract: ICES02
SDG NO.: Q3400
DFTPP Injection Date: 10/27/2025
DFTPP Injection Time: 11:16

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	33.2
70	Less than 2.0% of mass 69	0.1 (0.2) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
365	Greater than 1% of mass 198	5.2
441	Present, but less than mass 443	16.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.7 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG064583.D	10/27/2025	11:57
PB170222BL	PB170222BL	BG064584.D	10/27/2025	12:38
PB170222BS	PB170222BS	BG064585.D	10/27/2025	13:19
PB170222BSD	PB170222BSD	BG064586.D	10/27/2025	14:00
FRAC-TANK-0760450	Q3400-01	BG064593.D	10/27/2025	18:47
SSTDCCC040EC	SSTDCCC040	BG064598.D	10/27/2025	22:11

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3400

Client ID : SSTDCCC040

Date Analyzed: 10/27/2025

Lab File ID: BG064583.D

Time Analyzed: 11:57

Instrument ID: BNA_G

GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	39737	8.22	173874	11.05	136456	14.84
UPPER LIMIT	79474	8.72	347748	11.546	272912	15.342
LOWER LIMIT	19868.5	7.72	86937	10.546	68228	14.342
EPA SAMPLE NO.						
01 PB170222BL	45325	8.22	169145	11.04	133935	14.84
02 PB170222BS	45379	8.22	155959	11.05	125067	14.84
03 PB170222BSD	40304	8.22	162009	11.05	130466	14.84
04 FRAC-TANK-0760450	33849.5	8.22	134030	11.05	109277	14.84

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3400

Client ID: SSTDCCC040

Date Analyzed: 10/27/2025

Lab File ID: BG064583.D

Time Analyzed: 11:57

Instrument ID: BNA_G

GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	324576	17.58	347536	21.851	368889	25.194
UPPER LIMIT	649152	18.08	695072	22.351	737778	25.694
LOWER LIMIT	162288	17.08	173768	21.351	184445	24.694
EPA SAMPLE NO.						
01 PB170222BL	334609	17.58	371267	21.85	392267	25.19
02 PB170222BS	301008	17.58	321139	21.86	327874	25.19
03 PB170222BSD	304053	17.58	320700	21.85	326136	25.20
04 FRAC-TANK-0760450	262954	17.58	285454	21.85	310819	25.19

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.



QC SAMPLE DATA

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: PB170222BL
Lab Sample ID: PB170222BL
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL
Prep Method : 3510 Prep Date: 10/22/25 09:08

Date Collected:
Date Received:
SDG No.: Q3400
Matrix: Water
% Solid: 0
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
100-52-7	Benzaldehyde	8.00	U	1	3.90	8.00	10.0	ug/L	10/27/25 12:38	PB170222
108-95-2	Phenol	4.00	U	1	0.91	4.00	5.00	ug/L	10/27/25 12:38	PB170222
111-44-4	bis(2-Chloroethyl)ether	4.00	U	1	0.81	4.00	5.00	ug/L	10/27/25 12:38	PB170222
95-57-8	2-Chlorophenol	4.00	U	1	0.58	4.00	5.00	ug/L	10/27/25 12:38	PB170222
95-48-7	2-Methylphenol	4.00	U	1	1.10	4.00	5.00	ug/L	10/27/25 12:38	PB170222
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1	1.30	4.00	5.00	ug/L	10/27/25 12:38	PB170222
98-86-2	Acetophenone	4.00	U	1	0.74	4.00	5.00	ug/L	10/27/25 12:38	PB170222
65794-96-9	3+4-Methylphenols	8.00	U	1	1.10	8.00	10.0	ug/L	10/27/25 12:38	PB170222
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1	1.40	2.50	2.50	ug/L	10/27/25 12:38	PB170222
67-72-1	Hexachloroethane	4.00	U	1	0.65	4.00	5.00	ug/L	10/27/25 12:38	PB170222
98-95-3	Nitrobenzene	4.00	U	1	0.76	4.00	5.00	ug/L	10/27/25 12:38	PB170222
78-59-1	Isophorone	4.00	U	1	0.75	4.00	5.00	ug/L	10/27/25 12:38	PB170222
88-75-5	2-Nitrophenol	4.00	U	1	1.80	4.00	5.00	ug/L	10/27/25 12:38	PB170222
105-67-9	2,4-Dimethylphenol	4.00	U	1	1.90	4.00	5.00	ug/L	10/27/25 12:38	PB170222
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	1	0.68	4.00	5.00	ug/L	10/27/25 12:38	PB170222
120-83-2	2,4-Dichlorophenol	4.00	U	1	0.52	4.00	5.00	ug/L	10/27/25 12:38	PB170222
91-20-3	Naphthalene	4.00	U	1	0.50	4.00	5.00	ug/L	10/27/25 12:38	PB170222
106-47-8	4-Chloroaniline	4.00	U	1	0.84	4.00	5.00	ug/L	10/27/25 12:38	PB170222
87-68-3	Hexachlorobutadiene	4.00	U	1	0.54	4.00	5.00	ug/L	10/27/25 12:38	PB170222
105-60-2	Caprolactam	8.00	U	1	1.10	8.00	10.0	ug/L	10/27/25 12:38	PB170222
59-50-7	4-Chloro-3-methylphenol	4.00	U	1	0.59	4.00	5.00	ug/L	10/27/25 12:38	PB170222
91-57-6	2-Methylnaphthalene	4.00	U	1	0.56	4.00	5.00	ug/L	10/27/25 12:38	PB170222
77-47-4	Hexachlorocyclopentadiene	8.00	U	1	3.60	8.00	10.0	ug/L	10/27/25 12:38	PB170222
88-06-2	2,4,6-Trichlorophenol	4.00	U	1	0.51	4.00	5.00	ug/L	10/27/25 12:38	PB170222
95-95-4	2,4,5-Trichlorophenol	4.00	U	1	0.62	4.00	5.00	ug/L	10/27/25 12:38	PB170222
92-52-4	1,1-Biphenyl	4.00	U	1	0.53	4.00	5.00	ug/L	10/27/25 12:38	PB170222
91-58-7	2-Chloronaphthalene	4.00	U	1	0.61	4.00	5.00	ug/L	10/27/25 12:38	PB170222
88-74-4	2-Nitroaniline	4.00	U	1	1.30	4.00	5.00	ug/L	10/27/25 12:38	PB170222
131-11-3	Dimethylphthalate	4.00	U	1	0.61	4.00	5.00	ug/L	10/27/25 12:38	PB170222
208-96-8	Acenaphthylene	4.00	U	1	0.75	4.00	5.00	ug/L	10/27/25 12:38	PB170222
606-20-2	2,6-Dinitrotoluene	4.00	U	1	0.92	4.00	5.00	ug/L	10/27/25 12:38	PB170222
99-09-2	3-Nitroaniline	4.00	U	1	1.10	4.00	5.00	ug/L	10/27/25 12:38	PB170222
83-32-9	Acenaphthene	4.00	U	1	0.55	4.00	5.00	ug/L	10/27/25 12:38	PB170222
51-28-5	2,4-Dinitrophenol	8.00	U	1	6.00	8.00	10.0	ug/L	10/27/25 12:38	PB170222
100-02-7	4-Nitrophenol	8.00	U	1	2.40	8.00	10.0	ug/L	10/27/25 12:38	PB170222
132-64-9	Dibenzofuran	4.00	U	1	0.61	4.00	5.00	ug/L	10/27/25 12:38	PB170222
121-14-2	2,4-Dinitrotoluene	4.00	U	1	1.20	4.00	5.00	ug/L	10/27/25 12:38	PB170222
84-66-2	Diethylphthalate	4.00	U	1	0.69	4.00	5.00	ug/L	10/27/25 12:38	PB170222
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	1	0.68	4.00	5.00	ug/L	10/27/25 12:38	PB170222
86-73-7	Fluorene	4.00	U	1	0.63	4.00	5.00	ug/L	10/27/25 12:38	PB170222
100-01-6	4-Nitroaniline	4.00	U	1	1.50	4.00	5.00	ug/L	10/27/25 12:38	PB170222
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	1	2.90	8.00	10.0	ug/L	10/27/25 12:38	PB170222

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: PB170222BL
Lab Sample ID: PB170222BL
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL
Prep Method : 3510 Prep Date: 10/22/25 09:08

Date Collected:
Date Received:
SDG No.: Q3400
Matrix: Water
% Solid: 0
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	4.00	U	1	0.58	4.00	5.00	ug/L	10/27/25 12:38	PB170222
101-55-3	4-Bromophenyl-phenylether	4.00	U	1	0.40	4.00	5.00	ug/L	10/27/25 12:38	PB170222
118-74-1	Hexachlorobenzene	4.00	U	1	0.52	4.00	5.00	ug/L	10/27/25 12:38	PB170222
1912-24-9	Atrazine	4.00	U	1	1.00	4.00	5.00	ug/L	10/27/25 12:38	PB170222
87-86-5	Pentachlorophenol	8.00	U	1	1.60	8.00	10.0	ug/L	10/27/25 12:38	PB170222
85-01-8	Phenanthrene	4.00	U	1	0.50	4.00	5.00	ug/L	10/27/25 12:38	PB170222
120-12-7	Anthracene	4.00	U	1	0.61	4.00	5.00	ug/L	10/27/25 12:38	PB170222
86-74-8	Carbazole	4.00	U	1	0.72	4.00	5.00	ug/L	10/27/25 12:38	PB170222
84-74-2	Di-n-butylphthalate	4.00	U	1	1.20	4.00	5.00	ug/L	10/27/25 12:38	PB170222
206-44-0	Fluoranthene	4.00	U	1	0.82	4.00	5.00	ug/L	10/27/25 12:38	PB170222
129-00-0	Pyrene	4.00	U	1	0.50	4.00	5.00	ug/L	10/27/25 12:38	PB170222
85-68-7	Butylbenzylphthalate	4.00	U	1	1.90	4.00	5.00	ug/L	10/27/25 12:38	PB170222
91-94-1	3,3-Dichlorobenzidine	8.00	U	1	0.93	8.00	10.0	ug/L	10/27/25 12:38	PB170222
56-55-3	Benzo(a)anthracene	4.00	U	1	0.45	4.00	5.00	ug/L	10/27/25 12:38	PB170222
218-01-9	Chrysene	4.00	U	1	0.44	4.00	5.00	ug/L	10/27/25 12:38	PB170222
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1	1.60	4.00	5.00	ug/L	10/27/25 12:38	PB170222
117-84-0	Di-n-octyl phthalate	8.00	U	1	2.30	8.00	10.0	ug/L	10/27/25 12:38	PB170222
205-99-2	Benzo(b)fluoranthene	4.00	U	1	0.49	4.00	5.00	ug/L	10/27/25 12:38	PB170222
207-08-9	Benzo(k)fluoranthene	4.00	U	1	0.48	4.00	5.00	ug/L	10/27/25 12:38	PB170222
50-32-8	Benzo(a)pyrene	4.00	U	1	0.55	4.00	5.00	ug/L	10/27/25 12:38	PB170222
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	1	0.59	4.00	5.00	ug/L	10/27/25 12:38	PB170222
53-70-3	Dibenzo(a,h)anthracene	4.00	U	1	0.67	4.00	5.00	ug/L	10/27/25 12:38	PB170222
191-24-2	Benzo(g,h,i)perylene	4.00	U	1	0.69	4.00	5.00	ug/L	10/27/25 12:38	PB170222
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	1	0.52	4.00	5.00	ug/L	10/27/25 12:38	PB170222
123-91-1	1,4-Dioxane	4.00	U	1	1.00	4.00	5.00	ug/L	10/27/25 12:38	PB170222
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	1	0.72	4.00	5.00	ug/L	10/27/25 12:38	PB170222

SURROGATES

367-12-4	2-Fluorophenol	162		19 - 119	108%	SPK: 150
13127-88-3	Phenol-d6	157		10 - 130	105%	SPK: 150
4165-60-0	Nitrobenzene-d5	96.1		44 - 120	96%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.5		44 - 119	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	143		43 - 140	95%	SPK: 150
1718-51-0	Terphenyl-d14	94.1		50 - 134	94%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	45300
1146-65-2	Naphthalene-d8	169000
15067-26-2	Acenaphthene-d10	134000
1517-22-2	Phenanthrene-d10	335000
1719-03-5	Chrysene-d12	371000
1520-96-3	Perylene-d12	392000

TENTATIVE IDENTIFIED COMPOUNDS

006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	6.80	J	32.6	ug/L
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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:	PB170222BL	SDG No.:	Q3400
Lab Sample ID:	PB170222BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 mL	Test:	SVOC-TCL BNA -20
Prep Method :	3510		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/22/25 09:08		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
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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

M = MS/MSD acceptance 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

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: PB170222BS
Lab Sample ID: PB170222BS
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL
Prep Method : 3510 Prep Date: 10/22/25 09:08

Date Collected:
Date Received:
SDG No.: Q3400
Matrix: Water
% Solid: 0
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
100-52-7	Benzaldehyde	13.2		1	3.90	8.00	10.0	ug/L	10/27/25 13:19	PB170222
108-95-2	Phenol	40.8		1	0.91	4.00	5.00	ug/L	10/27/25 13:19	PB170222
111-44-4	bis(2-Chloroethyl)ether	27.3		1	0.81	4.00	5.00	ug/L	10/27/25 13:19	PB170222
95-57-8	2-Chlorophenol	41.9		1	0.58	4.00	5.00	ug/L	10/27/25 13:19	PB170222
95-48-7	2-Methylphenol	39.5		1	1.10	4.00	5.00	ug/L	10/27/25 13:19	PB170222
108-60-1	2,2-oxybis(1-Chloropropane)	32.0		1	1.30	4.00	5.00	ug/L	10/27/25 13:19	PB170222
98-86-2	Acetophenone	42.0		1	0.74	4.00	5.00	ug/L	10/27/25 13:19	PB170222
65794-96-9	3+4-Methylphenols	34.8		1	1.10	8.00	10.0	ug/L	10/27/25 13:19	PB170222
621-64-7	n-Nitroso-di-n-propylamine	33.2		1	1.40	2.50	2.50	ug/L	10/27/25 13:19	PB170222
67-72-1	Hexachloroethane	32.7		1	0.65	4.00	5.00	ug/L	10/27/25 13:19	PB170222
98-95-3	Nitrobenzene	40.6		1	0.76	4.00	5.00	ug/L	10/27/25 13:19	PB170222
78-59-1	Isophorone	39.6		1	0.75	4.00	5.00	ug/L	10/27/25 13:19	PB170222
88-75-5	2-Nitrophenol	35.3		1	1.80	4.00	5.00	ug/L	10/27/25 13:19	PB170222
105-67-9	2,4-Dimethylphenol	48.9		1	1.90	4.00	5.00	ug/L	10/27/25 13:19	PB170222
111-91-1	bis(2-Chloroethoxy)methane	40.2		1	0.68	4.00	5.00	ug/L	10/27/25 13:19	PB170222
120-83-2	2,4-Dichlorophenol	44.8		1	0.52	4.00	5.00	ug/L	10/27/25 13:19	PB170222
91-20-3	Naphthalene	39.3		1	0.50	4.00	5.00	ug/L	10/27/25 13:19	PB170222
106-47-8	4-Chloroaniline	20.8		1	0.84	4.00	5.00	ug/L	10/27/25 13:19	PB170222
87-68-3	Hexachlorobutadiene	39.1		1	0.54	4.00	5.00	ug/L	10/27/25 13:19	PB170222
105-60-2	Caprolactam	39.1		1	1.10	8.00	10.0	ug/L	10/27/25 13:19	PB170222
59-50-7	4-Chloro-3-methylphenol	42.4		1	0.59	4.00	5.00	ug/L	10/27/25 13:19	PB170222
91-57-6	2-Methylnaphthalene	36.6		1	0.56	4.00	5.00	ug/L	10/27/25 13:19	PB170222
77-47-4	Hexachlorocyclopentadiene	98.2	E	1	3.60	8.00	10.0	ug/L	10/27/25 13:19	PB170222
88-06-2	2,4,6-Trichlorophenol	43.5		1	0.51	4.00	5.00	ug/L	10/27/25 13:19	PB170222
95-95-4	2,4,5-Trichlorophenol	42.8		1	0.62	4.00	5.00	ug/L	10/27/25 13:19	PB170222
92-52-4	1,1-Biphenyl	42.4		1	0.53	4.00	5.00	ug/L	10/27/25 13:19	PB170222
91-58-7	2-Chloronaphthalene	39.3		1	0.61	4.00	5.00	ug/L	10/27/25 13:19	PB170222
88-74-4	2-Nitroaniline	36.3		1	1.30	4.00	5.00	ug/L	10/27/25 13:19	PB170222
131-11-3	Dimethylphthalate	39.8		1	0.61	4.00	5.00	ug/L	10/27/25 13:19	PB170222
208-96-8	Acenaphthylene	45.0		1	0.75	4.00	5.00	ug/L	10/27/25 13:19	PB170222
606-20-2	2,6-Dinitrotoluene	41.3		1	0.92	4.00	5.00	ug/L	10/27/25 13:19	PB170222
99-09-2	3-Nitroaniline	29.3		1	1.10	4.00	5.00	ug/L	10/27/25 13:19	PB170222
83-32-9	Acenaphthene	42.0		1	0.55	4.00	5.00	ug/L	10/27/25 13:19	PB170222
51-28-5	2,4-Dinitrophenol	74.3		1	6.00	8.00	10.0	ug/L	10/27/25 13:19	PB170222
100-02-7	4-Nitrophenol	82.7	E	1	2.40	8.00	10.0	ug/L	10/27/25 13:19	PB170222
132-64-9	Dibenzofuran	39.8		1	0.61	4.00	5.00	ug/L	10/27/25 13:19	PB170222
121-14-2	2,4-Dinitrotoluene	39.0		1	1.20	4.00	5.00	ug/L	10/27/25 13:19	PB170222
84-66-2	Diethylphthalate	39.4		1	0.69	4.00	5.00	ug/L	10/27/25 13:19	PB170222
7005-72-3	4-Chlorophenyl-phenylether	40.0		1	0.68	4.00	5.00	ug/L	10/27/25 13:19	PB170222
86-73-7	Fluorene	40.9		1	0.63	4.00	5.00	ug/L	10/27/25 13:19	PB170222
100-01-6	4-Nitroaniline	42.1		1	1.50	4.00	5.00	ug/L	10/27/25 13:19	PB170222
534-52-1	4,6-Dinitro-2-methylphenol	39.3		1	2.90	8.00	10.0	ug/L	10/27/25 13:19	PB170222

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: PB170222BS
Lab Sample ID: PB170222BS
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL
Prep Method : 3510 Prep Date: 10/22/25 09:08

Date Collected:
Date Received:
SDG No.: Q3400
Matrix: Water
% Solid: 0
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	42.5		1	0.58	4.00	5.00	ug/L	10/27/25 13:19	PB170222
101-55-3	4-Bromophenyl-phenylether	40.9		1	0.40	4.00	5.00	ug/L	10/27/25 13:19	PB170222
118-74-1	Hexachlorobenzene	41.1		1	0.52	4.00	5.00	ug/L	10/27/25 13:19	PB170222
1912-24-9	Atrazine	40.0		1	1.00	4.00	5.00	ug/L	10/27/25 13:19	PB170222
87-86-5	Pentachlorophenol	84.1	E	1	1.60	8.00	10.0	ug/L	10/27/25 13:19	PB170222
85-01-8	Phenanthrene	40.0		1	0.50	4.00	5.00	ug/L	10/27/25 13:19	PB170222
120-12-7	Anthracene	40.2		1	0.61	4.00	5.00	ug/L	10/27/25 13:19	PB170222
86-74-8	Carbazole	40.3		1	0.72	4.00	5.00	ug/L	10/27/25 13:19	PB170222
84-74-2	Di-n-butylphthalate	39.0		1	1.20	4.00	5.00	ug/L	10/27/25 13:19	PB170222
206-44-0	Fluoranthene	39.3		1	0.82	4.00	5.00	ug/L	10/27/25 13:19	PB170222
129-00-0	Pyrene	39.9		1	0.50	4.00	5.00	ug/L	10/27/25 13:19	PB170222
85-68-7	Butylbenzylphthalate	43.2		1	1.90	4.00	5.00	ug/L	10/27/25 13:19	PB170222
91-94-1	3,3-Dichlorobenzidine	28.9		1	0.93	8.00	10.0	ug/L	10/27/25 13:19	PB170222
56-55-3	Benzo(a)anthracene	40.9		1	0.45	4.00	5.00	ug/L	10/27/25 13:19	PB170222
218-01-9	Chrysene	40.1		1	0.44	4.00	5.00	ug/L	10/27/25 13:19	PB170222
117-81-7	Bis(2-ethylhexyl)phthalate	42.5		1	1.60	4.00	5.00	ug/L	10/27/25 13:19	PB170222
117-84-0	Di-n-octyl phthalate	42.0		1	2.30	8.00	10.0	ug/L	10/27/25 13:19	PB170222
205-99-2	Benzo(b)fluoranthene	42.5		1	0.49	4.00	5.00	ug/L	10/27/25 13:19	PB170222
207-08-9	Benzo(k)fluoranthene	43.9		1	0.48	4.00	5.00	ug/L	10/27/25 13:19	PB170222
50-32-8	Benzo(a)pyrene	44.1		1	0.55	4.00	5.00	ug/L	10/27/25 13:19	PB170222
193-39-5	Indeno(1,2,3-cd)pyrene	42.0		1	0.59	4.00	5.00	ug/L	10/27/25 13:19	PB170222
53-70-3	Dibenzo(a,h)anthracene	43.2		1	0.67	4.00	5.00	ug/L	10/27/25 13:19	PB170222
191-24-2	Benzo(g,h,i)perylene	42.0		1	0.69	4.00	5.00	ug/L	10/27/25 13:19	PB170222
95-94-3	1,2,4,5-Tetrachlorobenzene	40.9		1	0.52	4.00	5.00	ug/L	10/27/25 13:19	PB170222
123-91-1	1,4-Dioxane	30.8		1	1.00	4.00	5.00	ug/L	10/27/25 13:19	PB170222
58-90-2	2,3,4,6-Tetrachlorophenol	45.3		1	0.72	4.00	5.00	ug/L	10/27/25 13:19	PB170222

SURROGATES

367-12-4	2-Fluorophenol	124		19 - 119	82%	SPK: 150
13127-88-3	Phenol-d6	123		10 - 130	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	83.3		44 - 120	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	80.1		44 - 119	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	127		43 - 140	84%	SPK: 150
1718-51-0	Terphenyl-d14	82.9		50 - 134	83%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	45400
1146-65-2	Naphthalene-d8	156000
15067-26-2	Acenaphthene-d10	125000
1517-22-2	Phenanthrene-d10	301000
1719-03-5	Chrysene-d12	321000
1520-96-3	Perylene-d12	328000

Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	
Client Sample ID:	PB170222BS	SDG No.:	Q3400
Lab Sample ID:	PB170222BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 mL	Test:	SVOC-TCL BNA -20
Prep Method :	3510		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/22/25 09:08		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
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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

M = MS/MSD acceptance 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

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: PB170222BSD
Lab Sample ID: PB170222BSD
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL
Prep Method : 3510 Prep Date: 10/22/25 09:08

Date Collected:
Date Received:
SDG No.: Q3400
Matrix: Water
% Solid: 0
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
100-52-7	Benzaldehyde	13.3		1	3.90	8.00	10.0	ug/L	10/27/25 14:00	PB170222
108-95-2	Phenol	42.3		1	0.91	4.00	5.00	ug/L	10/27/25 14:00	PB170222
111-44-4	bis(2-Chloroethyl)ether	27.9		1	0.81	4.00	5.00	ug/L	10/27/25 14:00	PB170222
95-57-8	2-Chlorophenol	43.8		1	0.58	4.00	5.00	ug/L	10/27/25 14:00	PB170222
95-48-7	2-Methylphenol	42.1		1	1.10	4.00	5.00	ug/L	10/27/25 14:00	PB170222
108-60-1	2,2-oxybis(1-Chloropropane)	37.2		1	1.30	4.00	5.00	ug/L	10/27/25 14:00	PB170222
98-86-2	Acetophenone	42.8		1	0.74	4.00	5.00	ug/L	10/27/25 14:00	PB170222
65794-96-9	3+4-Methylphenols	41.8		1	1.10	8.00	10.0	ug/L	10/27/25 14:00	PB170222
621-64-7	n-Nitroso-di-n-propylamine	41.1		1	1.40	2.50	2.50	ug/L	10/27/25 14:00	PB170222
67-72-1	Hexachloroethane	38.1		1	0.65	4.00	5.00	ug/L	10/27/25 14:00	PB170222
98-95-3	Nitrobenzene	42.1		1	0.76	4.00	5.00	ug/L	10/27/25 14:00	PB170222
78-59-1	Isophorone	40.0		1	0.75	4.00	5.00	ug/L	10/27/25 14:00	PB170222
88-75-5	2-Nitrophenol	37.9		1	1.80	4.00	5.00	ug/L	10/27/25 14:00	PB170222
105-67-9	2,4-Dimethylphenol	48.0		1	1.90	4.00	5.00	ug/L	10/27/25 14:00	PB170222
111-91-1	bis(2-Chloroethoxy)methane	40.8		1	0.68	4.00	5.00	ug/L	10/27/25 14:00	PB170222
120-83-2	2,4-Dichlorophenol	45.3		1	0.52	4.00	5.00	ug/L	10/27/25 14:00	PB170222
91-20-3	Naphthalene	39.5		1	0.50	4.00	5.00	ug/L	10/27/25 14:00	PB170222
106-47-8	4-Chloroaniline	21.6		1	0.84	4.00	5.00	ug/L	10/27/25 14:00	PB170222
87-68-3	Hexachlorobutadiene	39.0		1	0.54	4.00	5.00	ug/L	10/27/25 14:00	PB170222
105-60-2	Caprolactam	37.7		1	1.10	8.00	10.0	ug/L	10/27/25 14:00	PB170222
59-50-7	4-Chloro-3-methylphenol	42.9		1	0.59	4.00	5.00	ug/L	10/27/25 14:00	PB170222
91-57-6	2-Methylnaphthalene	36.6		1	0.56	4.00	5.00	ug/L	10/27/25 14:00	PB170222
77-47-4	Hexachlorocyclopentadiene	100	E	1	3.60	8.00	10.0	ug/L	10/27/25 14:00	PB170222
88-06-2	2,4,6-Trichlorophenol	43.7		1	0.51	4.00	5.00	ug/L	10/27/25 14:00	PB170222
95-95-4	2,4,5-Trichlorophenol	43.5		1	0.62	4.00	5.00	ug/L	10/27/25 14:00	PB170222
92-52-4	1,1-Biphenyl	42.1		1	0.53	4.00	5.00	ug/L	10/27/25 14:00	PB170222
91-58-7	2-Chloronaphthalene	39.3		1	0.61	4.00	5.00	ug/L	10/27/25 14:00	PB170222
88-74-4	2-Nitroaniline	38.1		1	1.30	4.00	5.00	ug/L	10/27/25 14:00	PB170222
131-11-3	Dimethylphthalate	39.2		1	0.61	4.00	5.00	ug/L	10/27/25 14:00	PB170222
208-96-8	Acenaphthylene	45.1		1	0.75	4.00	5.00	ug/L	10/27/25 14:00	PB170222
606-20-2	2,6-Dinitrotoluene	42.0		1	0.92	4.00	5.00	ug/L	10/27/25 14:00	PB170222
99-09-2	3-Nitroaniline	30.0		1	1.10	4.00	5.00	ug/L	10/27/25 14:00	PB170222
83-32-9	Acenaphthene	42.2		1	0.55	4.00	5.00	ug/L	10/27/25 14:00	PB170222
51-28-5	2,4-Dinitrophenol	75.2		1	6.00	8.00	10.0	ug/L	10/27/25 14:00	PB170222
100-02-7	4-Nitrophenol	82.1	E	1	2.40	8.00	10.0	ug/L	10/27/25 14:00	PB170222
132-64-9	Dibenzofuran	39.2		1	0.61	4.00	5.00	ug/L	10/27/25 14:00	PB170222
121-14-2	2,4-Dinitrotoluene	40.6		1	1.20	4.00	5.00	ug/L	10/27/25 14:00	PB170222
84-66-2	Diethylphthalate	38.5		1	0.69	4.00	5.00	ug/L	10/27/25 14:00	PB170222
7005-72-3	4-Chlorophenyl-phenylether	39.4		1	0.68	4.00	5.00	ug/L	10/27/25 14:00	PB170222
86-73-7	Fluorene	40.2		1	0.63	4.00	5.00	ug/L	10/27/25 14:00	PB170222
100-01-6	4-Nitroaniline	39.9		1	1.50	4.00	5.00	ug/L	10/27/25 14:00	PB170222
534-52-1	4,6-Dinitro-2-methylphenol	40.8		1	2.90	8.00	10.0	ug/L	10/27/25 14:00	PB170222

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: PB170222BSD
Lab Sample ID: PB170222BSD
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL
Prep Method : 3510 Prep Date: 10/22/25 09:08

Date Collected:
Date Received:
SDG No.: Q3400
Matrix: Water
% Solid: 0
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	42.3		1	0.58	4.00	5.00	ug/L	10/27/25 14:00	PB170222
101-55-3	4-Bromophenyl-phenylether	40.9		1	0.40	4.00	5.00	ug/L	10/27/25 14:00	PB170222
118-74-1	Hexachlorobenzene	41.3		1	0.52	4.00	5.00	ug/L	10/27/25 14:00	PB170222
1912-24-9	Atrazine	39.8		1	1.00	4.00	5.00	ug/L	10/27/25 14:00	PB170222
87-86-5	Pentachlorophenol	86.5	E	1	1.60	8.00	10.0	ug/L	10/27/25 14:00	PB170222
85-01-8	Phenanthrene	40.5		1	0.50	4.00	5.00	ug/L	10/27/25 14:00	PB170222
120-12-7	Anthracene	40.0		1	0.61	4.00	5.00	ug/L	10/27/25 14:00	PB170222
86-74-8	Carbazole	40.0		1	0.72	4.00	5.00	ug/L	10/27/25 14:00	PB170222
84-74-2	Di-n-butylphthalate	38.6		1	1.20	4.00	5.00	ug/L	10/27/25 14:00	PB170222
206-44-0	Fluoranthene	38.8		1	0.82	4.00	5.00	ug/L	10/27/25 14:00	PB170222
129-00-0	Pyrene	39.9		1	0.50	4.00	5.00	ug/L	10/27/25 14:00	PB170222
85-68-7	Butylbenzylphthalate	44.0		1	1.90	4.00	5.00	ug/L	10/27/25 14:00	PB170222
91-94-1	3,3-Dichlorobenzidine	28.9		1	0.93	8.00	10.0	ug/L	10/27/25 14:00	PB170222
56-55-3	Benzo(a)anthracene	41.1		1	0.45	4.00	5.00	ug/L	10/27/25 14:00	PB170222
218-01-9	Chrysene	40.4		1	0.44	4.00	5.00	ug/L	10/27/25 14:00	PB170222
117-81-7	Bis(2-ethylhexyl)phthalate	42.9		1	1.60	4.00	5.00	ug/L	10/27/25 14:00	PB170222
117-84-0	Di-n-octyl phthalate	42.4		1	2.30	8.00	10.0	ug/L	10/27/25 14:00	PB170222
205-99-2	Benzo(b)fluoranthene	43.5		1	0.49	4.00	5.00	ug/L	10/27/25 14:00	PB170222
207-08-9	Benzo(k)fluoranthene	43.1		1	0.48	4.00	5.00	ug/L	10/27/25 14:00	PB170222
50-32-8	Benzo(a)pyrene	44.8		1	0.55	4.00	5.00	ug/L	10/27/25 14:00	PB170222
193-39-5	Indeno(1,2,3-cd)pyrene	42.7		1	0.59	4.00	5.00	ug/L	10/27/25 14:00	PB170222
53-70-3	Dibenzo(a,h)anthracene	43.6		1	0.67	4.00	5.00	ug/L	10/27/25 14:00	PB170222
191-24-2	Benzo(g,h,i)perylene	42.7		1	0.69	4.00	5.00	ug/L	10/27/25 14:00	PB170222
95-94-3	1,2,4,5-Tetrachlorobenzene	41.9		1	0.52	4.00	5.00	ug/L	10/27/25 14:00	PB170222
123-91-1	1,4-Dioxane	34.3		1	1.00	4.00	5.00	ug/L	10/27/25 14:00	PB170222
58-90-2	2,3,4,6-Tetrachlorophenol	45.3		1	0.72	4.00	5.00	ug/L	10/27/25 14:00	PB170222

SURROGATES

367-12-4	2-Fluorophenol	145		19 - 119	97%	SPK: 150
13127-88-3	Phenol-d6	125		10 - 130	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.5		44 - 120	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.8		44 - 119	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	124		43 - 140	83%	SPK: 150
1718-51-0	Terphenyl-d14	83.4		50 - 134	83%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	40300
1146-65-2	Naphthalene-d8	162000
15067-26-2	Acenaphthene-d10	130000
1517-22-2	Phenanthrene-d10	304000
1719-03-5	Chrysene-d12	321000
1520-96-3	Perylene-d12	326000

Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	
Client Sample ID:	PB170222BSD	SDG No.:	Q3400
Lab Sample ID:	PB170222BSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 mL	Test:	SVOC-TCL BNA -20
Prep Method :	3510		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/22/25 09:08		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
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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

M = MS/MSD acceptance 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

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG102425.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Oct 24 16:40:26 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BG064569.D 5 =BG064570.D 10 =BG064571.D 20 =BG064572.D 40 =BG064573.D 50 =BG064576.D 60 =BG064574.D 80 =BG064575.D

Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I 1,4-Dichlorobenzen...	-----ISTD-----									
2) 1,4-Dioxane		0.570	0.581	0.524	0.525	0.474	0.559	0.460	0.528	8.85
3) Pyridine		1.630	1.608	1.552	1.669	1.471	1.733	1.427	1.584	6.84
4) n-Nitrosodimet...			0.912	0.807	0.900	0.780	0.921	0.776	0.850	8.08
5) S 2-Fluorophenol		1.098	1.207	1.155	1.292	1.139	1.318	1.132	1.192	7.09
6) Aniline		2.203	2.320	2.131	2.386	2.090	2.440	2.004	2.225	7.28
7) S Phenol-d6		1.469	1.654	1.566	1.771	1.597	1.864	1.524	1.635	8.55
8) 2-Chlorophenol		1.051	1.207	1.197	1.373	1.225	1.461	1.216	1.247	10.65
9) Benzaldehyde			0.942	0.994	0.940	0.836	0.981	0.662	0.893	14.09
10) C Phenol		1.665	1.820	1.748	1.944	1.761	2.027	1.693	1.808	7.36
11) bis(2-Chloroet...		2.203	2.320	2.131	2.386	2.090	2.440	2.004	2.225	7.28
12) 1,3-Dichlorobe...		1.435	1.516	1.394	1.520	1.342	1.542	1.299	1.435	6.62
13) C 1,4-Dichlorobe...		1.431	1.546	1.442	1.534	1.381	1.561	1.323	1.460	6.21
14) 1,2-Dichlorobe...		1.371	1.518	1.364	1.483	1.316	1.520	1.283	1.408	6.97
15) Benzyl Alcohol			1.281	1.263	1.425	1.306	1.533	1.283	1.348	7.97
16) 2,2'-oxybis(1-...		3.421	3.604	3.396	3.733	3.301	3.802	3.154	3.487	6.74
17) 2-Methylphenol		0.548	0.670	0.646	0.745	0.677	0.793	0.638	0.674	11.71
18) Hexachloroethane		0.468	0.535	0.505	0.541	0.496	0.557	0.483	0.512	6.41
19) P n-Nitroso-di-n...	1.044	1.038	1.141	1.129	1.227	1.115	1.289	1.057	1.130	7.93
20) 3+4-Methylphenols			1.652	1.581	1.818	1.612	1.895	1.571	1.688	8.04
21) I Naphthalene-d8	-----ISTD-----									
22) Acetophenone		0.535	0.565	0.528	0.584	0.516	0.590	0.509	0.547	6.04
23) S Nitrobenzene-d5		0.239	0.286	0.314	0.377	0.356	0.403	0.356	0.333	17.02
24) Nitrobenzene		0.274	0.312	0.344	0.410	0.377	0.438	0.380	0.362	15.64
25) Isophorone		0.751	0.796	0.771	0.869	0.764	0.891	0.751	0.799	7.25
26) C 2-Nitrophenol		0.076	0.095	0.110	0.137	0.135	0.152	0.144	0.121	23.20
27) 2,4-Dimethylph...		0.236	0.294	0.285	0.335	0.309	0.359	0.303	0.303	12.88
28) bis(2-Chloroet...		0.452	0.464	0.443	0.490	0.426	0.493	0.417	0.455	6.48
29) C 2,4-Dichloroph...		0.243	0.299	0.315	0.360	0.327	0.373	0.322	0.320	13.34
30) 1,2,4-Trichlor...		0.338	0.369	0.348	0.391	0.349	0.399	0.349	0.363	6.44
31) Naphthalene		1.083	1.144	1.084	1.177	1.036	1.201	1.037	1.109	5.96
32) Benzoic acid			0.100	0.143	0.204	0.215	0.245	0.229	0.189	29.61
33) 4-Chloroaniline		0.390	0.456	0.411	0.459	0.410	0.486	0.405	0.431	8.29
34) C Hexachlorobuta...		0.266	0.291	0.282	0.299	0.271	0.306	0.273	0.284	5.33
35) Caprolactam			0.112	0.114	0.134	0.118	0.142	0.116	0.123	9.85
36) C 4-Chloro-3-met...		0.323	0.381	0.361	0.426	0.376	0.454	0.370	0.384	11.18
37) 2-Methylnaphth...		0.764	0.858	0.797	0.865	0.772	0.888	0.755	0.814	6.74
38) 1-Methylnaphth...		0.764	0.849	0.776	0.853	0.752	0.878	0.735	0.801	7.18

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG102425.M

39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.657	0.684	0.648	0.702	0.633	0.717	0.657	0.671	4.55
41) P	Hexachlorocycl...		0.268	0.279	0.324	0.297	0.340	0.305	0.302	8.97
42) S	2,4,6-Tribromo...	0.221	0.266	0.272	0.318	0.292	0.346	0.306	0.289	14.04
43) C	2,4,6-Trichlor...	0.294	0.333	0.375	0.423	0.399	0.456	0.408	0.384	14.41
44)	2,4,5-Trichlor...	0.339	0.425	0.439	0.484	0.443	0.517	0.454	0.443	12.48
45) S	2-Fluorobiphenyl	1.310	1.389	1.306	1.384	1.235	1.384	1.228	1.319	5.24
46)	1,1'-Biphenyl	1.456	1.450	1.401	1.489	1.326	1.498	1.333	1.422	4.98
47)	2-Chloronaphth...	1.065	1.082	1.053	1.132	1.013	1.145	1.023	1.073	4.71
48)	2-Nitroaniline	0.201	0.234	0.277	0.348	0.343	0.404	0.367	0.311	24.06
49)	Acenaphthylene	1.667	1.726	1.647	1.786	1.593	1.827	1.604	1.693	5.30
50)	Dimethylphthalate	1.389	1.570	1.488	1.641	1.462	1.699	1.462	1.530	7.21
51)	2,6-Dinitrotol...	0.127	0.180	0.193	0.247	0.244	0.283	0.254	0.218	24.69
52) C	Acenaphthene	1.126	1.178	1.115	1.223	1.093	1.261	1.101	1.157	5.63
53)	3-Nitroaniline	0.180	0.211	0.252	0.294	0.281	0.325	0.297	0.263	19.70
54) P	2,4-Dinitrophenol		0.086	0.110	0.137	0.139	0.165	0.154	0.132	22.11
55)	Dibenzofuran	1.881	1.972	1.826	1.963	1.734	1.988	1.725	1.870	5.96
56) P	4-Nitrophenol		0.191	0.213	0.261	0.250	0.283	0.267	0.244	14.40
57)	2,4-Dinitrotol...	0.223	0.269	0.300	0.385	0.373	0.434	0.396	0.340	22.67
58)	Fluorene	1.471	1.559	1.426	1.531	1.356	1.549	1.329	1.460	6.38
59)	2,3,4,6-Tetrac...	0.312	0.385	0.402	0.466	0.444	0.508	0.449	0.424	15.04
60)	Diethylphthalate	1.417	1.645	1.514	1.657	1.486	1.718	1.502	1.563	7.06
61)	4-Chlorophenyl...	0.800	0.864	0.792	0.866	0.763	0.888	0.763	0.820	6.38
62)	4-Nitroaniline	0.194	0.252	0.286	0.327	0.310	0.355	0.324	0.293	18.55
63)	Azobenzene	1.362	1.504	1.377	1.538	1.338	1.564	1.353	1.434	6.80
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...		0.055	0.064	0.083	0.083	0.097	0.093	0.079	21.00
66) c	n-Nitrosodiphe...	0.510	0.551	0.525	0.583	0.518	0.594	0.500	0.540	6.79
67)	4-Bromophenyl-...	0.218	0.236	0.230	0.258	0.229	0.264	0.224	0.237	7.28
68)	Hexachlorobenzene	0.254	0.266	0.262	0.292	0.260	0.302	0.256	0.270	6.99
69)	Atrazine	0.215	0.227	0.249	0.245	0.219	0.261	0.211	0.232	8.27
70) C	Pentachlorophenol		0.132	0.152	0.180	0.172	0.199	0.177	0.169	13.91
71)	Phenanthrene	1.084	1.133	1.073	1.162	1.020	1.179	1.005	1.094	6.17
72)	Anthracene	1.087	1.144	1.101	1.187	1.041	1.204	1.025	1.113	6.17
73)	Carbazole	0.982	1.037	0.982	1.031	0.910	1.028	0.897	0.981	5.90
74)	Di-n-butylphth...	1.011	1.156	1.179	1.240	1.084	1.198	1.075	1.134	7.11
75) C	Fluoranthene	1.385	1.463	1.380	1.440	1.273	1.403	1.247	1.370	5.91
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine		0.392	0.475	0.490	0.416	0.533	0.383	0.448	13.40
78)	Pyrene	1.287	1.331	1.284	1.411	1.233	1.406	1.196	1.307	6.24
79) S	Terphenyl-d14	1.074	1.120	1.066	1.142	0.987	1.102	0.928	1.060	7.21
80)	Butylbenzylphth...	0.284	0.359	0.388	0.450	0.408	0.467	0.410	0.395	15.43
81)	Benzo(a)anthra...	1.294	1.355	1.292	1.416	1.253	1.430	1.243	1.326	5.71
82)	3,3'-Dichlorob...		0.418	0.428	0.477	0.424	0.486	0.424	0.443	6.88
83)	Chrysene	1.249	1.291	1.229	1.344	1.188	1.359	1.173	1.262	5.76
84)	Bis(2-ethylhex...	0.484	0.555	0.581	0.671	0.585	0.667	0.588	0.590	10.95
85) c	Di-n-octyl pht...		0.871	0.932	1.087	0.976	1.117	0.986	0.995	9.32

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG102425.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.383	1.491	1.410	1.568	1.396	1.642	1.410	1.471	6.80
88)	Benzo(b)fluora...	1.138	1.246	1.169	1.322	1.173	1.353	1.183	1.226	6.77
89)	Benzo(k)fluora...	1.175	1.260	1.206	1.285	1.151	1.364	1.149	1.227	6.51
90) C	Benzo(a)pyrene	1.061	1.144	1.093	1.202	1.067	1.246	1.079	1.127	6.42
91)	Dibenzo(a,h)an...	1.120	1.223	1.158	1.268	1.130	1.324	1.143	1.195	6.55
92)	Benzo(g,h,i)pe...	1.383	1.491	1.410	1.568	1.396	1.642	1.410	1.471	6.80

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ICES02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3400</u>
Instrument ID:	<u>BNA_G</u>	Calibration Date/Time:	<u>10/27/2025 11:57</u>
Lab File ID:	<u>BG064583.D</u>	Init. Calib. Date(s):	<u>10/24/2025 10/24/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:00 15:32</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.192	1.450		21.6	
Benzaldehyde	0.893	1.717		92.3	
Phenol-d6	1.635	2.044		25.0	
Phenol	1.808	2.253		24.6	20.0
bis(2-Chloroethyl) ether	2.225	2.744		23.3	
2-Chlorophenol	1.247	1.578		26.5	
2-Methylphenol	0.674	0.741		9.9	
2,2-oxybis(1-Chloropropane)	3.487	3.810		9.3	
Acetophenone	0.547	0.561		2.6	
3+4-Methylphenols	1.688	1.798		6.5	
n-Nitroso-di-n-propylamine	1.130	1.299	0.050	15.0	
Nitrobenzene-d5	0.333	0.335		0.6	
Hexachloroethane	0.512	0.530		3.5	
Nitrobenzene	0.362	0.371		2.5	
Isophorone	0.799	0.838		4.9	
2-Nitrophenol	0.121	0.114		-5.8	20.0
2,4-Dimethylphenol	0.303	0.316		4.3	
bis(2-Chloroethoxy) methane	0.455	0.477		4.8	
2,4-Dichlorophenol	0.320	0.336		5.0	20.0
Naphthalene	1.109	1.134		2.3	
4-Chloroaniline	0.431	0.451		4.6	
Hexachlorobutadiene	0.284	0.289		1.8	20.0
Caprolactam	0.123	0.118		-4.1	
4-Chloro-3-methylphenol	0.384	0.401		4.4	20.0
2-Methylnaphthalene	0.814	0.842		3.4	
Hexachlorocyclopentadiene	0.302	0.278	0.050	-7.9	
2,4,6-Trichlorophenol	0.384	0.396		3.1	20.0
2-Fluorobiphenyl	1.319	1.332		1.0	
2,4,5-Trichlorophenol	0.443	0.454		2.5	
1,1-Biphenyl	1.422	1.458		2.5	
2-Chloronaphthalene	1.073	1.098		2.3	
2-Nitroaniline	0.311	0.299		-3.9	
Dimethylphthalate	1.530	1.534		0.3	
Acenaphthylene	1.693	1.726		1.9	
2,6-Dinitrotoluene	0.218	0.217		-0.5	
3-Nitroaniline	0.263	0.266		1.1	
Acenaphthene	1.157	1.176		1.6	20.0
2,4-Dinitrophenol	0.132	0.132	0.050	0.0	
4-Nitrophenol	0.244	0.236	0.050	-3.3	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ICES02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3400</u>
Instrument ID:	<u>BNA_G</u>	Calibration Date/Time:	<u>10/27/2025 11:57</u>
Lab File ID:	<u>BG064583.D</u>	Init. Calib. Date(s):	<u>10/24/2025 10/24/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:00 15:32</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.870	1.902		1.7	
2,4-Dinitrotoluene	0.340	0.332		-2.4	
Diethylphthalate	1.563	1.538		-1.6	
4-Chlorophenyl-phenylether	0.820	0.816		-0.5	
Fluorene	1.460	1.460		0.0	
4-Nitroaniline	0.293	0.301		2.7	
4,6-Dinitro-2-methylphenol	0.079	0.080		1.3	
n-Nitrosodiphenylamine	0.540	0.565		4.6	20.0
2,4,6-Tribromophenol	0.289	0.288		-0.3	
4-Bromophenyl-phenylether	0.237	0.247		4.2	
Hexachlorobenzene	0.270	0.278		3.0	
Atrazine	0.232	0.221		-4.7	
Pentachlorophenol	0.169	0.169		0.0	20.0
Phenanthrene	1.094	1.114		1.8	
Anthracene	1.113	1.141		2.5	
Carbazole	0.981	0.995		1.4	
Di-n-butylphthalate	1.135	1.104		-2.7	
Fluoranthene	1.370	1.371		0.1	20.0
Pyrene	1.307	1.325		1.4	
Terphenyl-d14	1.060	1.070		0.8	
Butylbenzylphthalate	0.395	0.419		6.1	
3,3-Dichlorobenzidine	0.443	0.452		2.0	
Benzo (a) anthracene	1.326	1.373		3.5	
Chrysene	1.262	1.294		2.5	
Bis(2-ethylhexyl)phthalate	0.590	0.622		5.4	
Di-n-octyl phthalate	0.995	1.040		4.5	20.0
Benzo (b) fluoranthene	1.226	1.264		3.1	
Benzo (k) fluoranthene	1.227	1.298		5.8	
Benzo (a) pyrene	1.127	1.172		4.0	20.0
Indeno (1,2,3-cd) pyrene	1.471	1.523		3.5	
Dibenzo (a,h) anthracene	1.195	1.242		3.9	
Benzo (g,h,i) perylene	1.471	1.523		3.5	
1,2,4,5-Tetrachlorobenzene	0.671	0.671		0.0	
1,4-Dioxane	0.528	0.633		19.9	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.435		2.6	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ICES02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3400</u>
Instrument ID:	<u>BNA_G</u>	Calibration Date/Time:	<u>10/27/2025 22:11</u>
Lab File ID:	<u>BG064598.D</u>	Init. Calib. Date(s):	<u>10/24/2025 10/24/2025</u>
EPA Sample No.:	<u>SSTDCCC040EC</u>	Init. Calib. Time(s):	<u>09:00 15:32</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.192	1.330		11.6	50.0
Benzaldehyde	0.893	1.635		83.1	50.0
Phenol-d6	1.635	1.717		5.0	50.0
Phenol	1.808	1.928		6.6	50.0
bis(2-Chloroethyl)ether	2.225	2.285		2.7	50.0
2-Chlorophenol	1.247	1.376		10.3	50.0
2-Methylphenol	0.674	0.722		7.1	50.0
2,2-oxybis(1-Chloropropane)	3.487	3.653		4.8	50.0
Acetophenone	0.547	0.568		3.8	50.0
3+4-Methylphenols	1.688	1.790		6.0	50.0
n-Nitroso-di-n-propylamine	1.130	1.228	0.050	8.7	50.0
Nitrobenzene-d5	0.333	0.401		20.4	50.0
Hexachloroethane	0.512	0.558		9.0	50.0
Nitrobenzene	0.362	0.421		16.3	50.0
Isophorone	0.799	0.837		4.8	50.0
2-Nitrophenol	0.121	0.162		33.9	50.0
2,4-Dimethylphenol	0.303	0.324		6.9	50.0
bis(2-Chloroethoxy)methane	0.455	0.466		2.4	50.0
2,4-Dichlorophenol	0.320	0.364		13.8	50.0
Naphthalene	1.109	1.129		1.8	50.0
4-Chloroaniline	0.431	0.446		3.5	50.0
Hexachlorobutadiene	0.284	0.302		6.3	50.0
Caprolactam	0.123	0.117		-4.9	50.0
4-Chloro-3-methylphenol	0.384	0.415		8.1	50.0
2-Methylnaphthalene	0.814	0.841		3.3	50.0
Hexachlorocyclopentadiene	0.302	0.302	0.050	0.0	50.0
2,4,6-Trichlorophenol	0.384	0.436		13.5	50.0
2-Fluorobiphenyl	1.319	1.346		2.0	50.0
2,4,5-Trichlorophenol	0.443	0.492		11.1	50.0
1,1-Biphenyl	1.422	1.444		1.5	50.0
2-Chloronaphthalene	1.073	1.099		2.4	50.0
2-Nitroaniline	0.311	0.391		25.7	50.0
Dimethylphthalate	1.530	1.524		-0.4	50.0
Acenaphthylene	1.693	1.726		1.9	50.0
2,6-Dinitrotoluene	0.218	0.270		23.9	50.0
3-Nitroaniline	0.263	0.302		14.8	50.0
Acenaphthene	1.157	1.192		3.0	50.0
2,4-Dinitrophenol	0.132	0.158	0.050	19.7	50.0
4-Nitrophenol	0.244	0.272	0.050	11.5	50.0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ICES02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3400</u>
Instrument ID:	<u>BNA_G</u>	Calibration Date/Time:	<u>10/27/2025 22:11</u>
Lab File ID:	<u>BG064598.D</u>	Init. Calib. Date(s):	<u>10/24/2025 10/24/2025</u>
EPA Sample No.:	<u>SSTDCCC040EC</u>	Init. Calib. Time(s):	<u>09:00 15:32</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.870	1.848		-1.2	50.0
2,4-Dinitrotoluene	0.340	0.413		21.5	50.0
Diethylphthalate	1.563	1.522		-2.6	50.0
4-Chlorophenyl-phenylether	0.820	0.832		1.5	50.0
Fluorene	1.460	1.457		-0.2	50.0
4-Nitroaniline	0.293	0.326		11.3	50.0
4,6-Dinitro-2-methylphenol	0.079	0.104		31.6	50.0
n-Nitrosodiphenylamine	0.540	0.569		5.4	50.0
2,4,6-Tribromophenol	0.289	0.319		10.4	50.0
4-Bromophenyl-phenylether	0.237	0.255		7.6	50.0
Hexachlorobenzene	0.270	0.290		7.4	50.0
Atrazine	0.232	0.228		-1.7	50.0
Pentachlorophenol	0.169	0.193		14.2	50.0
Phenanthrene	1.094	1.137		3.9	50.0
Anthracene	1.113	1.140		2.4	50.0
Carbazole	0.981	0.992		1.1	50.0
Di-n-butylphthalate	1.135	1.148		1.1	50.0
Fluoranthene	1.370	1.396		1.9	50.0
Pyrene	1.307	1.291		-1.2	50.0
Terphenyl-d14	1.060	1.066		0.6	50.0
Butylbenzylphthalate	0.395	0.450		13.9	50.0
3,3-Dichlorobenzidine	0.443	0.454		2.5	50.0
Benzo (a) anthracene	1.326	1.377		3.8	50.0
Chrysene	1.262	1.296		2.7	50.0
Bis(2-ethylhexyl)phthalate	0.590	0.652		10.5	50.0
Di-n-octyl phthalate	0.995	1.108		11.4	50.0
Benzo (b) fluoranthene	1.226	1.246		1.6	50.0
Benzo (k) fluoranthene	1.227	1.262		2.9	50.0
Benzo (a) pyrene	1.127	1.156		2.6	50.0
Indeno (1,2,3-cd) pyrene	1.471	1.510		2.7	50.0
Dibenzo (a,h) anthracene	1.195	1.231		3.0	50.0
Benzo (g,h,i) perylene	1.471	1.510		2.7	50.0
1,2,4,5-Tetrachlorobenzene	0.671	0.704		4.9	50.0
1,4-Dioxane	0.528	0.480		-9.1	50.0
2,3,4,6-Tetrachlorophenol	0.424	0.482		13.7	50.0

All other compounds must meet a minimum RRF of 0.010.

LAB CHRONICLE

OrderID:	Q3400	OrderDate:	10/20/2025 1:25:31 PM
Client:	ICE Service Group, Inc.	Project:	NWIRP Northrup Grumman Site – Bethpage, NY
Contact:	Dennis D. Morgan, II	Location:	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3400-01	FRAC-TANK-0760450	WATER	PCB	8082A	10/20/25	10/22/25	10/23/25	10/20/25



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

Hit Summary Sheet
SW-846

SDG No.: Q3400

Order ID: Q3400

Client: ICE Service Group, Inc.

Project ID: NWIRP Northrup Grumman Site – Be

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :				Total Concentration:	0.000				



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:	FRAC-TANK-0760450	SDG No.:	Q3400
Lab Sample ID:	Q3400-01	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	990 mL	Final Vol:	10000 uL
Prep Method:		Test:	PCB
	Prep Date:	10/22/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
12674-11-2	Aroclor-1016	0.25	U	1	0.098	0.25	0.51	ug/L	10/23/25 11:55	PB170211
11104-28-2	Aroclor-1221	0.40	U	1	0.13	0.40	0.51	ug/L	10/23/25 11:55	PB170211
11141-16-5	Aroclor-1232	0.25	U	1	0.097	0.25	0.51	ug/L	10/23/25 11:55	PB170211
53469-21-9	Aroclor-1242	0.25	U	1	0.12	0.25	0.51	ug/L	10/23/25 11:55	PB170211
12672-29-6	Aroclor-1248	0.25	U	1	0.072	0.25	0.51	ug/L	10/23/25 11:55	PB170211
11097-69-1	Aroclor-1254	0.25	U	1	0.095	0.25	0.51	ug/L	10/23/25 11:55	PB170211
37324-23-5	Aroclor-1262	0.40	U	1	0.14	0.40	0.51	ug/L	10/23/25 11:55	PB170211
11100-14-4	Aroclor-1268	0.25	U	1	0.11	0.25	0.51	ug/L	10/23/25 11:55	PB170211
11096-82-5	Aroclor-1260	0.25	U	1	0.082	0.25	0.51	ug/L	10/23/25 11:55	PB170211
SURROGATES										
877-09-8	Tetrachloro-m-xylene	23.4			35 - 137		117%	SPK: 20		
2051-24-3	Decachlorobiphenyl	9.38			40 - 135		47%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance 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

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

() = Laboratory InHouse Limit



QC SUMMARY

Surrogate Summary

SDG No.: Q3400

Client: ICE Service Group, Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PO114312.D	PIBLK-PO114312.D	Tetrachloro-m-xyl	1	20	18.6	93		60	140
		Decachlorobiphen	1	20	19.2	96		60	140
		Tetrachloro-m-xyl	2	20	18.9	94		60	140
		Decachlorobiphen	2	20	19.0	95		60	140
I.BLK-PO114838.D	PIBLK-PO114838.D	Tetrachloro-m-xyl	1	20	20.9	104		60	140
		Decachlorobiphen	1	20	20.8	104		60	140
		Tetrachloro-m-xyl	2	20	18.5	93		60	140
		Decachlorobiphen	2	20	21.6	108		60	140
PB170211BL	PB170211BL	Tetrachloro-m-xyl	1	20	20.6	103		35	137
		Decachlorobiphen	1	20	20.4	102		40	135
		Tetrachloro-m-xyl	2	20	18.3	92		35	137
		Decachlorobiphen	2	20	21.0	105		40	135
I.BLK-PO114853.D	PIBLK-PO114853.D	Tetrachloro-m-xyl	1	20	21.5	107		60	140
		Decachlorobiphen	1	20	19.6	98		60	140
		Tetrachloro-m-xyl	2	20	18.9	94		60	140
		Decachlorobiphen	2	20	18.5	92		60	140
I.BLK-PQ070972.D	PIBLK-PQ070972.D	Tetrachloro-m-xyl	1	20	18.3	91		60	140
		Decachlorobiphen	1	20	19.0	95		60	140
		Tetrachloro-m-xyl	2	20	19.1	96		60	140
		Decachlorobiphen	2	20	19.4	97		60	140
I.BLK-PQ071090.D	PIBLK-PQ071090.D	Tetrachloro-m-xyl	1	20	20.9	104		60	140
		Decachlorobiphen	1	20	23.7	118		60	140
		Tetrachloro-m-xyl	2	20	19.3	97		60	140
		Decachlorobiphen	2	20	23.1	115		60	140
Q3400-01	FRAC-TANK-0760450	Tetrachloro-m-xyl	1	20	23.4	117		35	137
		Decachlorobiphen	1	20	9.38	47		40	135
		Tetrachloro-m-xyl	2	20	21.7	109		35	137
		Decachlorobiphen	2	20	9.32	47		40	135
I.BLK-PQ071102.D	PIBLK-PQ071102.D	Tetrachloro-m-xyl	1	20	20.6	103		60	140
		Decachlorobiphen	1	20	23.2	116		60	140
		Tetrachloro-m-xyl	2	20	19.1	95		60	140
		Decachlorobiphen	2	20	22.9	114		60	140
I.BLK-PQ071120.D	PIBLK-PQ071120.D	Tetrachloro-m-xyl	1	20	20.3	101		60	140
		Decachlorobiphen	1	20	23.2	116		60	140
		Tetrachloro-m-xyl	2	20	18.0	90		60	140
		Decachlorobiphen	2	20	21.9	110		60	140
PB170211BS	PB170211BS	Tetrachloro-m-xyl	1	20	21.6	108		35	137
		Decachlorobiphen	1	20	25.2	126		40	135
		Tetrachloro-m-xyl	2	20	16.9	85		35	137
		Decachlorobiphen	2	20	23.4	117		40	135
PB170211BSD	PB170211BSD	Tetrachloro-m-xyl	1	20	22.4	112		35	137

Surrogate Summary

SDG No.: Q3400

Client: ICE Service Group, Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
PB170211BSD	PB170211BSD	Decachlorobiphen	1	20	25.7	128		40	135
		Tetrachloro-m-xyl	2	20	18.3	91		35	137
		Decachlorobiphen	2	20	24.2	121		40	135
I.BLK-PQ071128.D	PIBLK-PQ071128.D	Tetrachloro-m-xyl	1	20	20.8	104		60	140
		Decachlorobiphen	1	20	24.2	121		60	140
		Tetrachloro-m-xyl	2	20	18.4	92		60	140
		Decachlorobiphen	2	20	22.9	115		60	140



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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	Q3400	Analytical Method:	8082A
Client:	ICE Service Group, Inc.	Datafile :	PQ071121.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB170211BS (Column 1)	AR1016	5	4.90	ug/L	98				46	129	
	AR1260	5	5.30	ug/L	106				45	134	
PB170211BS (Column 2)	AR1016	5	4.10	ug/L	82				46	129	
	AR1260	5	4.20	ug/L	84				45	134	



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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	Q3400	Analytical Method:	8082A
Client:	ICE Service Group, Inc.	Datafile :	PQ071122.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB170211BSD (Column 1)	AR1016	5	5.30	ug/L	106	8			46	129	20
	AR1260	5	5.40	ug/L	108	2			45	134	20
PB170211BSD (Column 2)	AR1016	5	4.30	ug/L	86	5			46	129	20
	AR1260	5	4.40	ug/L	88	5			45	134	20

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB170211BL

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3400

Lab Sample ID: PB170211BL

Lab File ID: PO114839.D

Matrix: (soil/water) WATER

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/22/2025

Date Analyzed (1): 11/03/2025

Date Analyzed (2): 11/03/2025

Time Analyzed (1): 10:20

Time Analyzed (2): 10:20

Instrument ID (1): ECD_O

Instrument ID (2): ECD_O

GC Column (1): ZB-MR1 ID: 0.32 (mm)

GC Column (2): ZB-MR2 ID: 0.32 (mm)

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
FRAC-TANK-0760450	Q3400-01	PQ071095.D	10/23/2025	10/23/2025
PB170211BS	PB170211BS	PQ071121.D	10/24/2025	10/24/2025
PB170211BSD	PB170211BSD	PQ071122.D	10/24/2025	10/24/2025

COMMENTS: _____



CALIBRATION SUMMARY

A
B
C
D
E
F
G

Calibration Times: 14:14 22:29

LAB FILE ID: RT 1000 = PO114313.D RT 750 = PO114314.D
RT 500 = PO114315.D RT 250 = PO114316.D RT 050 = PO114317.D

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
Tetrachloro-m-xylene	4.36	4.36	4.36	4.36	4.36	4.36	4.26	4.46

A
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F
G

A
B
C
D
E
F
G

Calibration Times: 14:14 22:29

LAB FILE ID: RT 1000 = PO114313.D RT 750 = PO114314.D
RT 500 = PO114315.D RT 250 = PO114316.D RT 050 = PO114317.D

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.67	8.67	8.67	8.67	8.67	8.67	8.57	8.77
Tetrachloro-m-xylene	3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76

A
B
C
D
E
F
G

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_O

Contract: ICES02
SDG NO.: Q3400

Calibration Date(s): 10/09/2025 10/09/2025
Calibration Times: 14:14 22:29

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID:		CF 1000 =	PO114313.D	CF 750 =	PO114314.D			
CF 500 =		PO114315.D	CF 250 =	PO114316.D	CF 050 =	PO114317.D		
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	174192886	179895124	183856868	183322864	180520760	180357700	2
Aroclor-1016-2	(2)	293939915	305561101	305220730	315140900	301624180	304297365	3
Aroclor-1016-3	(3)	165633600	172668037	174260432	182505220	189193940	176852246	5
Aroclor-1016-4	(4)	134425999	138097755	140122574	142368188	132758060	137554515	3
Aroclor-1016-5	(5)	123446822	127769624	128908938	130194584	121008000	126265594	3
Aroclor-1260-1	(1)	213791672	221280347	222839010	218586200	213158120	217931070	2
Aroclor-1260-2	(2)	302622462	312056085	309594538	307167896	311081240	308504444	1
Aroclor-1260-3	(3)	259467311	268042008	265717042	260457100	228668800	256470452	6
Aroclor-1260-4	(4)	230199629	235131995	233767838	232769056	232729060	232919516	1
Aroclor-1260-5	(5)	586428065	605840996	593634282	581137220	533761820	580160477	5
Decachlorobiphenyl		3664039320	3792684880	3728036680	3664938040	3355866400	3641113064	5
Tetrachloro-m-xylene		5506498360	5677498373	5642459220	5552412920	4766000200	5428973815	7
Aroclor-1242-1	(1)	126706434	132179268	135020258	135246300	128666340	131563720	3
Aroclor-1242-2	(2)	212392946	219812959	222351800	226444372	216757700	219551955	2
Aroclor-1242-3	(3)	119144042	124121997	125717214	131545340	116119900	123329699	5
Aroclor-1242-4	(4)	99737299	101870191	102531118	105496736	103337180	102594505	2
Aroclor-1242-5	(5)	103047071	106230547	111781010	123521904	134589100	115833926	11
Decachlorobiphenyl		3803036960	3909619067	3861003240	3833959680	3524921000	3786507989	4
Tetrachloro-m-xylene		5804343740	5928892613	5893981820	5915994040	5454317000	5799505843	3
Aroclor-1248-1	(1)	98567829	102136305	106179528	101725532	83182260	98358291	9
Aroclor-1248-2	(2)	137892609	142528752	146526406	145313792	145562060	143564724	2
Aroclor-1248-3	(3)	151681692	159333787	163420432	159028692	160593320	158811585	3
Aroclor-1248-4	(4)	182190012	190636973	195926736	195051484	215146120	195790265	6
Aroclor-1248-5	(5)	174543681	183607891	190759426	202813192	249246460	200194130	15
Decachlorobiphenyl		3816291730	3937073800	3957474960	3763925080	3735520600	3842057234	3
Tetrachloro-m-xylene		5779379270	6044791093	6117390360	5832290520	5648377200	5884445689	3
Aroclor-1254-1	(1)	171902953	180224452	182326136	179059532	158754700	174453555	6
Aroclor-1254-2	(2)	248603985	257164111	266428592	263066468	238270000	254706631	4
Aroclor-1254-3	(3)	278966197	288101712	293337044	293741552	290556100	288940521	2
Aroclor-1254-4	(4)	232417367	241793461	248310406	242500032	218210100	236646273	5
Aroclor-1254-5	(5)	221022379	230048296	231810568	224607672	189890120	219475807	8
Decachlorobiphenyl		3792373920	3896541893	3936938560	3860958960	3451332800	3787629227	5
Tetrachloro-m-xylene		5822824890	5988302693	6053484060	5960886280	5298842000	5824867985	5
Aroclor-1268-1	(1)	742630944	763047828	755049378	744463164	658875500	732813363	6

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	632443459	650139448	640918178	630546628	553465960	621502735	6
Aroclor-1268-3	(3)	576556870	593571136	586459800	580217260	523967180	572154449	5
Aroclor-1268-4	(4)	239235256	248654241	247759484	273329844	226227580	247041281	7
Aroclor-1268-5	(5)	1713485078	1761561424	1737860666	1722182616	1634161480	1713850253	3
Decachlorobiphenyl		7124253780	7355062013	7282856320	7142144040	6358111400	7052485511	6
Tetrachloro-m-xylene		6131677880	6338649440	6321767300	6220727560	5845855000	6171735436	3

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_O

Contract: ICES02
SDG NO.: Q3400

Calibration Date(s): 10/09/2025 10/09/2025
Calibration Times: 14:14 22:29

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID:		CF 1000 =	PO114313.D	CF 750 =	PO114314.D			
CF 500 =		PO114315.D	CF 250 =	PO114316.D	CF 050 =	PO114317.D		
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	158257841	168187716	172362186	178585052	164529320	168384423	5
Aroclor-1016-2	(2)	229568804	240612359	245734900	252904664	241358100	242035765	4
Aroclor-1016-3	(3)	119655603	124240307	128221016	131086968	117564320	124153643	5
Aroclor-1016-4	(4)	92316708	96506141	100242646	102698056	90863720	96525454	5
Aroclor-1016-5	(5)	119349433	124629577	128669076	134240076	132389300	127855492	5
Aroclor-1260-1	(1)	215558470	231498535	235626690	245673392	249059400	235483297	6
Aroclor-1260-2	(2)	315603721	330098711	337167224	350489224	338584660	334388708	4
Aroclor-1260-3	(3)	256430713	268520155	278444642	296438324	374872640	294941295	16
Aroclor-1260-4	(4)	211317075	223266731	226148960	232910768	220902880	222909283	4
Aroclor-1260-5	(5)	594775480	624015233	623481606	632255524	590282220	612962013	3
Decachlorobiphenyl		3170001190	3348740240	3399801360	3490868680	3256491400	3333180574	4
Tetrachloro-m-xylene		3928229090	4070663293	4096822280	4116538520	3799017800	4002254197	3
Aroclor-1242-1	(1)	122498620	129064381	131010080	137236660	133254420	130612832	4
Aroclor-1242-2	(2)	175860987	183257420	186752992	191657052	196407220	186787134	4
Aroclor-1242-3	(3)	92492282	96111452	98072652	99600996	92244160	95704308	3
Aroclor-1242-4	(4)	86300671	89905741	92299888	94852936	98359060	92343659	5
Aroclor-1242-5	(5)	113144641	119163080	122745918	127985400	129764100	122560628	6
Decachlorobiphenyl		3517109590	3681723480	3757541820	3835681800	3777005200	3713812378	3
Tetrachloro-m-xylene		4432077070	4412224160	4379772960	4471865640	4248743200	4388936606	2
Aroclor-1248-1	(1)	94570009	99404269	103594360	101758388	93150140	98495433	5
Aroclor-1248-2	(2)	125502158	133300196	137663402	137604864	136198920	134053908	4
Aroclor-1248-3	(3)	130740348	139010419	143306254	142181184	142470360	139541713	4
Aroclor-1248-4	(4)	154697640	163551519	169016486	167510084	167044800	164364106	4
Aroclor-1248-5	(5)	159814127	168355577	173516216	171305900	174900140	169578392	4
Decachlorobiphenyl		3661201490	3833278560	3951800380	3911090520	3937109200	3858896030	3
Tetrachloro-m-xylene		4430508460	4634013587	4677547100	4537709360	4261034200	4508162541	4
Aroclor-1254-1	(1)	247222467	259048601	270361008	279309448	272529160	265694137	5
Aroclor-1254-2	(2)	219192417	228941475	239248508	249551080	254226320	238231960	6
Aroclor-1254-3	(3)	340127494	353950264	366242670	368614488	343101920	354407367	4
Aroclor-1254-4	(4)	246402938	256874435	266498340	267498992	253508600	258156661	3
Aroclor-1254-5	(5)	309302184	322642697	332806976	330987116	305278780	320203551	4
Decachlorobiphenyl		3673134130	3816212200	3925129200	3949127480	3714385800	3815597762	3
Tetrachloro-m-xylene		4426752370	4520704027	4624441060	4560126680	4117729800	4449950787	4
Aroclor-1268-1	(1)	790806319	820672996	823414120	829776224	826084500	818150832	2

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	668389064	693704507	696355354	697040636	678270940	686752100	2
Aroclor-1268-3	(3)	577681654	598471028	600065844	598539168	577278220	590407183	2
Aroclor-1268-4	(4)	233329938	243075305	244332122	245097676	230283080	239223624	3
Aroclor-1268-5	(5)	1599907631	1653346000	1653968404	1645996908	1596574960	1629958781	2
Decachlorobiphenyl		6770675710	7072875573	7158178740	7244610400	7053861200	7060040325	3
Tetrachloro-m-xylene		4643395640	4793601640	4792629120	4749683120	4526037200	4701069344	2

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: ICES02

Lab Code: ACE SDG NO.: Q3400

Instrument ID: ECD_O Date(s) Analyzed: 10/09/2025 10/09/2025

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.56	4.46	4.66	65029800
		2	4.64	4.54	4.74	45851400
		3	4.71	4.61	4.81	150477000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.71	4.61	4.81	122061000
		2	5.23	5.13	5.33	54066000
		3	5.52	5.42	5.62	121355000
		4	5.67	5.57	5.77	54031600
		5	5.76	5.66	5.86	37348800
Aroclor-1262	500	1	7.69	7.59	7.79	365212000
		2	8.21	8.11	8.31	604682000
		3	8.52	8.42	8.62	365448000
		4	8.60	8.50	8.70	263614000
		5	9.22	9.12	9.32	214854000

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: ICES02

Lab Code: ACE SDG NO.: Q3400

Instrument ID: ECD_O Date(s) Analyzed: 10/09/2025 10/09/2025

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.87	3.77	3.97	54832000
		2	3.96	3.86	4.06	40465400
		3	4.03	3.93	4.13	128449000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.03	3.93	4.13	104652000
		2	4.76	4.66	4.86	102880000
		3	4.94	4.84	5.04	51237200
		4	5.02	4.92	5.12	43634600
		5	5.19	5.09	5.29	48052000
Aroclor-1262	500	1	6.78	6.68	6.88	425654000
		2	7.28	7.18	7.38	673478000
		3	7.56	7.46	7.66	276888000
		4	7.63	7.53	7.73	456530000
		5	8.12	8.02	8.22	210780000

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3400

Instrument ID: ECD_Q

Calibration Date(s): **10/10/2025** **10/10/2025**

Calibration Times: 08:57 16:43

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID:	RT 1000 =	<u>PQ070973.D</u>	RT 750 =	<u>PQ070974.D</u>	
RT 500 =	PO070975.D	RT 250 =	PO070976.D	RT 050 =	PO070977.D

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.50	8.50	8.50	8.50	8.50	8.50	8.40	8.60
Tetrachloro-m-xylene	3.40	3.40	3.40	3.40	3.40	3.40	3.30	3.50

A

B

C

D

E

F

G

A
B
C
D
E
F
G

Calibration Times: 08:57 16:43

LAB FILE ID:	RT 1000 =	<u>PQ070973.D</u>	RT 750 =	<u>PQ070974.D</u>
	RT 500 =	PO070975.D	RT 250 =	PO070976.D
			RT 050 =	PO070977.D

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	7.53	7.53	7.53	7.53	7.53	7.53	7.43	7.63
Tetrachloro-m-xylene	2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88

A
B
C
D
E
F
G

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_Q

Contract: ICES02
SDG NO.: Q3400

Calibration Date(s): 10/10/2025 10/10/2025
Calibration Times: 08:57 16:43

GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID:		CF 1000 = <u>PQ070973.D</u>		CF 750 = <u>PQ070974.D</u>			
CF 500 = <u>PQ070975.D</u>		CF 250 = <u>PQ070976.D</u>		CF 050 = <u>PQ070977.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	152632258	161381460	169566884	175492100	161647220	164143984
Aroclor-1016-2	(2)	235274296	256838307	264605432	271518004	253235720	256294352
Aroclor-1016-3	(3)	145675938	156782704	164416996	169596776	159119400	159118363
Aroclor-1016-4	(4)	120162951	129378400	134848252	138303760	126953020	129929277
Aroclor-1016-5	(5)	117231883	128545740	133336348	136306768	128593380	128802824
Aroclor-1260-1	(1)	208928914	234195365	241877518	247859876	239493660	234471067
Aroclor-1260-2	(2)	243695794	275266251	287710272	296720404	279652200	276608984
Aroclor-1260-3	(3)	178017013	196424459	204653606	209590628	207855920	199308325
Aroclor-1260-4	(4)	191556315	214263107	223690164	228814336	216092480	214883280
Aroclor-1260-5	(5)	400986941	436898331	447507618	451939420	431553500	433777162
Decachlorobiphenyl		2603997920	2888430733	3017037660	3097201720	2913248400	2903983287
Tetrachloro-m-xylene		4048991050	4420325093	4447782420	4497118040	4337178200	4350278961
Aroclor-1242-1	(1)	117929900	120501580	121917368	124177888	110233240	118951995
Aroclor-1242-2	(2)	179238730	188762288	194471730	197719720	193371880	190712870
Aroclor-1242-3	(3)	111298009	117265485	120728326	123754708	121434700	118896246
Aroclor-1242-4	(4)	91702396	97376287	98944784	101196952	108558560	99555796
Aroclor-1242-5	(5)	63322787	67097277	82718820	102665812	77804800	78721899
Decachlorobiphenyl		3082568640	3243406933	3352805760	3359769360	3286790800	3265068299
Tetrachloro-m-xylene		4441893010	4577290613	4623065280	4605855840	4702516200	4590124189
Aroclor-1248-1	(1)	89951061	92802913	99278242	97399904	67891380	89464700
Aroclor-1248-2	(2)	126849870	131764987	138900528	142257364	142462060	136446962
Aroclor-1248-3	(3)	152980867	157544657	166146850	167481096	162764480	161383590
Aroclor-1248-4	(4)	167077290	173126060	182827440	186713196	157721500	173493097
Aroclor-1248-5	(5)	163667698	168136284	132211082	121389384	159185140	148917918
Decachlorobiphenyl		3177348440	3248518907	3402766540	3434790520	3353916400	3323468161
Tetrachloro-m-xylene		4546508980	4599154480	4739413180	4685828360	4518221600	4617825320
Aroclor-1254-1	(1)	186317660	198212097	200308250	222421948	174131700	196278331
Aroclor-1254-2	(2)	272465681	301191412	300558232	318683640	259516480	290483089
Aroclor-1254-3	(3)	294493285	320137152	318530722	335107472	267769020	307207530
Aroclor-1254-4	(4)	212636724	232647637	229798130	237628972	184991000	219540493
Aroclor-1254-5	(5)	229095618	241104957	242576814	249415576	197285560	231895705
Decachlorobiphenyl		3135993520	3237057933	3300114540	3432442200	2724290800	3165979799
Tetrachloro-m-xylene		4449551480	4584042107	4604497820	4625575480	3701892800	4393111937
Aroclor-1268-1	(1)	555593291	572438855	583365466	598015136	603747960	582632142

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	510325576	524057337	534075228	546100468	539884140	530888550	3
Aroclor-1268-3	(3)	416538407	427532203	436646098	443325192	442459640	433300308	3
Aroclor-1268-4	(4)	179373252	185531188	189624920	193669728	190155160	187670850	3
Aroclor-1268-5	(5)	1283167757	1308010297	1321380362	1326514116	1318957680	1311606042	1
Decachlorobiphenyl		5757514290	5913646120	6037365900	6192444040	6223042400	6024802550	3
Tetrachloro-m-xylene		4734874420	4871269707	4916225920	4964521920	4932484000	4883875193	2

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_Q

Contract: ICES02
SDG NO.: Q3400

Calibration Date(s): 10/10/2025 10/10/2025
Calibration Times: 08:57 16:43

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID:								
CF 1000 = <u>PQ070973.D</u>		CF 750 = <u>PQ070974.D</u>						
CF 500 = <u>PQ070975.D</u>		CF 250 = <u>PQ070976.D</u>		CF 050 = <u>PQ070977.D</u>				
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	198094739	217218485	228189888	237783008	238723760	224001976	8
Aroclor-1016-2	(2)	306974778	336928535	345611618	359075648	352024660	340123048	6
Aroclor-1016-3	(3)	164197912	180535471	187035142	195263012	182262860	181858879	6
Aroclor-1016-4	(4)	139678855	154088441	161162796	170890484	161242760	157412667	7
Aroclor-1016-5	(5)	171310856	187991799	196963118	205633060	197310680	191841903	7
Aroclor-1260-1	(1)	322104344	352779140	365742242	382158164	379245720	360405922	7
Aroclor-1260-2	(2)	392921251	432078265	450339936	466790948	457838380	439993756	7
Aroclor-1260-3	(3)	374441100	409997701	423595070	436050024	430913160	414999411	6
Aroclor-1260-4	(4)	324169048	356082777	368301826	380117112	370143240	359762801	6
Aroclor-1260-5	(5)	773923407	822481391	873089514	880740576	851175200	840282018	5
Decachlorobiphenyl		4511855410	4959881947	5165429800	5359918520	5250729800	5049563095	7
Tetrachloro-m-xylene		4790824740	5183285133	5313707940	5302586120	4809696600	5080020107	5
Aroclor-1242-1	(1)	149120136	160366853	160219200	165386980	179219740	162862582	7
Aroclor-1242-2	(2)	228406508	237737935	244055020	248772624	247903320	241375081	4
Aroclor-1242-3	(3)	123267302	131780304	132089372	135429308	136535900	131820437	4
Aroclor-1242-4	(4)	107929318	113409847	120761922	128344628	102401880	114569519	9
Aroclor-1242-5	(5)	175313049	196019013	175387368	167275268	156704980	174139936	8
Decachlorobiphenyl		5194557400	5483323560	5616478880	5698756520	6104877800	5619598832	6
Tetrachloro-m-xylene		5511103540	5712989200	5725543240	5446452960	5436162600	5566450308	3
Aroclor-1248-1	(1)	118147108	120641916	127443132	132200888	134031720	126492953	6
Aroclor-1248-2	(2)	172958749	177705395	189325858	196101732	206725040	188563355	7
Aroclor-1248-3	(3)	167593672	172934769	178216680	182062792	197467520	179655087	6
Aroclor-1248-4	(4)	207432918	214191484	230649658	232116576	237264740	224331075	6
Aroclor-1248-5	(5)	211078475	216720032	243430792	250826296	242157620	232842643	8
Decachlorobiphenyl		5357284330	5460780160	5730809660	5844375240	6130897000	5704829278	5
Tetrachloro-m-xylene		5499268270	5571294053	5722936200	5664492400	5408993600	5573396905	2
Aroclor-1254-1	(1)	326099704	341297420	345505280	377987212	295169840	337211891	9
Aroclor-1254-2	(2)	283781194	302336180	304849560	326229636	268575420	297154398	7
Aroclor-1254-3	(3)	455841488	477545104	484627186	501619228	415693040	467065209	7
Aroclor-1254-4	(4)	291449906	303039177	308578712	317073776	256115840	295251482	8
Aroclor-1254-5	(5)	417470468	427079459	439495106	452352324	365350180	420349507	8
Decachlorobiphenyl		5360763820	5577066440	5716894620	5972893640	5256420800	5576807864	5
Tetrachloro-m-xylene		5311856950	5451428933	5484489360	5522984680	4238156400	5201783265	10
Aroclor-1268-1	(1)	931455367	961712979	973652708	974423320	1030986200	974446115	4

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	858872879	891158693	900594916	906701084	936258500	898717214	3
Aroclor-1268-3	(3)	746016914	769745548	779615614	791820108	821422560	781724149	4
Aroclor-1268-4	(4)	330162118	339473573	345636662	356393996	350955500	344524370	3
Aroclor-1268-5	(5)	2374681378	2422263161	2432472106	2427996872	2444443520	2420371407	1
Decachlorobiphenyl		10401085910	10736618840	10941521580	11269357960	11896046400	11048926138	5
Tetrachloro-m-xylene		5581659480	5729850200	5733063640	5828463760	5669436400	5708494696	2

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: ICES02

Lab Code: ACE SDG NO.: Q3400

Instrument ID: ECD_Q Date(s) Analyzed: 10/10/2025 10/10/2025

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.59	3.49	3.69	59190800
		2	3.67	3.57	3.77	43146800
		3	3.74	3.64	3.84	133548000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	3.74	3.64	3.84	108948000
		2	4.23	4.13	4.33	57502800
		3	4.50	4.40	4.60	107099000
		4	4.65	4.55	4.75	54014200
		5	4.79	4.69	4.89	43713200
Aroclor-1262	500	1	6.84	6.74	6.94	274018000
		2	7.15	7.05	7.25	498476000
		3	7.42	7.32	7.52	328660000
		4	7.49	7.39	7.59	252340000
		5	7.99	7.89	8.09	164350000

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: ICES02

Lab Code: ACE SDG NO.: Q3400

Instrument ID: ECD_Q Date(s) Analyzed: 10/10/2025 10/10/2025

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	2.98	2.88	3.08	73819200
		2	3.05	2.95	3.15	60003200
		3	3.12	3.02	3.22	171184000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	3.12	3.02	3.22	139342000
		2	3.79	3.69	3.89	138900000
		3	3.95	3.85	4.05	73450200
		4	4.04	3.94	4.14	63034400
		5	4.20	4.10	4.30	71607200
Aroclor-1262	500	1	5.73	5.63	5.83	452486000
		2	5.98	5.88	6.08	427702000
		3	6.50	6.40	6.60	332708000
		4	6.56	6.46	6.66	616820000
		5	7.05	6.95	7.15	302986000

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3400

Continuing Calib Date: 11/03/2025

Initial Calibration Date(s): 10/09/2025

10/09/2025

Continuing Calib Time: 08:49

Initial Calibration Time(s): 14:14

22:29

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.49	5.49	5.39	5.59	0.00
Aroclor-1016-2	(2)	5.51	5.51	5.41	5.61	0.00
Aroclor-1016-3	(3)	5.57	5.58	5.48	5.68	0.01
Aroclor-1016-4	(4)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-5	(5)	5.96	5.96	5.86	6.06	0.00
Aroclor-1260-1	(1)	7.07	7.08	6.98	7.18	0.01
Aroclor-1260-2	(2)	7.33	7.33	7.23	7.43	0.01
Aroclor-1260-3	(3)	7.68	7.69	7.59	7.79	0.01
Aroclor-1260-4	(4)	7.90	7.91	7.81	8.01	0.01
Aroclor-1260-5	(5)	8.21	8.21	8.11	8.31	0.00
Tetrachloro-m-xylene		4.35	4.36	4.26	4.46	0.01
Decachlorobiphenyl		9.93	9.93	9.83	10.03	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3400

Continuing Calib Date: 11/03/2025

Initial Calibration Date(s): 10/09/2025

10/09/2025

Continuing Calib Time: 08:49

Initial Calibration Time(s): 14:14

22:29

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.73	4.74	4.64	4.84	0.01
Aroclor-1016-2	(2)	4.75	4.76	4.66	4.86	0.01
Aroclor-1016-3	(3)	4.92	4.94	4.84	5.04	0.02
Aroclor-1016-4	(4)	4.96	4.98	4.88	5.08	0.02
Aroclor-1016-5	(5)	5.18	5.19	5.09	5.29	0.01
Aroclor-1260-1	(1)	6.21	6.23	6.13	6.33	0.02
Aroclor-1260-2	(2)	6.39	6.41	6.31	6.51	0.02
Aroclor-1260-3	(3)	6.55	6.57	6.47	6.67	0.02
Aroclor-1260-4	(4)	7.02	7.04	6.94	7.14	0.02
Aroclor-1260-5	(5)	7.26	7.28	7.18	7.38	0.02
Tetrachloro-m-xylene		3.65	3.66	3.56	3.76	0.01
Decachlorobiphenyl		8.64	8.67	8.57	8.77	0.03

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ICES02
Lab Code: ACE **SDG NO.:** Q3400
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/09/2025 10/09/2025

Client Sample No.: CCAL01 **Date Analyzed:** 11/03/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO114834.D **Time Analyzed:** 08:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.488	5.392	5.592	558.010	500.000	11.6
Aroclor-1016-2	5.509	5.414	5.614	532.430	500.000	6.5
Aroclor-1016-3	5.571	5.476	5.676	532.150	500.000	6.4
Aroclor-1016-4	5.667	5.571	5.771	564.480	500.000	12.9
Aroclor-1016-5	5.958	5.863	6.063	564.580	500.000	12.9
Aroclor-1260-1	7.071	6.975	7.175	552.040	500.000	10.4
Aroclor-1260-2	7.325	7.229	7.429	550.680	500.000	10.1
Aroclor-1260-3	7.682	7.585	7.785	532.380	500.000	6.5
Aroclor-1260-4	7.904	7.807	8.007	534.270	500.000	6.9
Aroclor-1260-5	8.210	8.113	8.313	510.800	500.000	2.2
Decachlorobiphenyl	9.931	9.834	10.034	51.810	50.000	3.6
Tetrachloro-m-xylene	4.349	4.255	4.455	54.380	50.000	8.8

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ICES02
Lab Code: ACE **SDG NO.:** Q3400
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/09/2025 10/09/2025

Client Sample No.: CCAL01 **Date Analyzed:** 11/03/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO114834.D **Time Analyzed:** 08:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.728	4.643	4.843	467.830	500.000	-6.4
Aroclor-1016-2	4.748	4.662	4.862	471.560	500.000	-5.7
Aroclor-1016-3	4.922	4.836	5.036	501.070	500.000	0.2
Aroclor-1016-4	4.963	4.879	5.079	512.000	500.000	2.4
Aroclor-1016-5	5.176	5.092	5.292	502.560	500.000	0.5
Aroclor-1260-1	6.206	6.125	6.325	519.290	500.000	3.9
Aroclor-1260-2	6.394	6.313	6.513	530.830	500.000	6.2
Aroclor-1260-3	6.547	6.466	6.666	501.170	500.000	0.2
Aroclor-1260-4	7.017	6.939	7.139	580.950	500.000	16.2
Aroclor-1260-5	7.258	7.179	7.379	558.650	500.000	11.7
Decachlorobiphenyl	8.642	8.571	8.771	51.040	50.000	2.1
Tetrachloro-m-xylene	3.651	3.560	3.760	46.540	50.000	-6.9

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3400

Continuing Calib Date: 11/03/2025

Initial Calibration Date(s): 10/09/2025

10/09/2025

Continuing Calib Time: 14:33

Initial Calibration Time(s): 14:14

22:29

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.49	5.49	5.39	5.59	0.00
Aroclor-1016-2	(2)	5.51	5.51	5.41	5.61	0.00
Aroclor-1016-3	(3)	5.57	5.58	5.48	5.68	0.01
Aroclor-1016-4	(4)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-5	(5)	5.96	5.96	5.86	6.06	0.00
Aroclor-1260-1	(1)	7.07	7.08	6.98	7.18	0.01
Aroclor-1260-2	(2)	7.32	7.33	7.23	7.43	0.01
Aroclor-1260-3	(3)	7.68	7.69	7.59	7.79	0.01
Aroclor-1260-4	(4)	7.90	7.91	7.81	8.01	0.01
Aroclor-1260-5	(5)	8.21	8.21	8.11	8.31	0.00
Tetrachloro-m-xylene		4.35	4.36	4.26	4.46	0.01
Decachlorobiphenyl		9.93	9.93	9.83	10.03	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3400

Continuing Calib Date: 11/03/2025

Initial Calibration Date(s): 10/09/2025

10/09/2025

Continuing Calib Time: 14:33

Initial Calibration Time(s): 14:14

22:29

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.73	4.74	4.64	4.84	0.01
Aroclor-1016-2	(2)	4.75	4.76	4.66	4.86	0.01
Aroclor-1016-3	(3)	4.92	4.94	4.84	5.04	0.02
Aroclor-1016-4	(4)	4.97	4.98	4.88	5.08	0.01
Aroclor-1016-5	(5)	5.18	5.19	5.09	5.29	0.01
Aroclor-1260-1	(1)	6.21	6.23	6.13	6.33	0.02
Aroclor-1260-2	(2)	6.40	6.41	6.31	6.51	0.02
Aroclor-1260-3	(3)	6.55	6.57	6.47	6.67	0.02
Aroclor-1260-4	(4)	7.02	7.04	6.94	7.14	0.02
Aroclor-1260-5	(5)	7.26	7.28	7.18	7.38	0.02
Tetrachloro-m-xylene		3.65	3.66	3.56	3.76	0.01
Decachlorobiphenyl		8.64	8.67	8.57	8.77	0.03

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ICES02
Lab Code: ACE **SDG NO.:** Q3400
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/09/2025 10/09/2025

Client Sample No.: CCAL02 **Date Analyzed:** 11/03/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO114849.D **Time Analyzed:** 14:33

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.487	5.392	5.592	482.500	500.000	-3.5
Aroclor-1016-2	5.509	5.414	5.614	451.400	500.000	-9.7
Aroclor-1016-3	5.570	5.476	5.676	442.490	500.000	-11.5
Aroclor-1016-4	5.666	5.571	5.771	489.320	500.000	-2.1
Aroclor-1016-5	5.957	5.863	6.063	524.730	500.000	4.9
Aroclor-1260-1	7.071	6.975	7.175	474.850	500.000	-5.0
Aroclor-1260-2	7.324	7.229	7.429	457.380	500.000	-8.5
Aroclor-1260-3	7.681	7.585	7.785	431.740	500.000	-13.7
Aroclor-1260-4	7.903	7.807	8.007	443.690	500.000	-11.3
Aroclor-1260-5	8.210	8.113	8.313	430.500	500.000	-13.9
Decachlorobiphenyl	9.932	9.834	10.034	45.480	50.000	-9.0
Tetrachloro-m-xylene	4.349	4.255	4.455	53.590	50.000	7.2

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ICES02
Lab Code: ACE **SDG NO.:** Q3400
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/09/2025 10/09/2025

Client Sample No.: CCAL02 **Date Analyzed:** 11/03/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO114849.D **Time Analyzed:** 14:33

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.729	4.643	4.843	450.780	500.000	-9.8
Aroclor-1016-2	4.748	4.662	4.862	453.430	500.000	-9.3
Aroclor-1016-3	4.923	4.836	5.036	423.360	500.000	-15.3
Aroclor-1016-4	4.965	4.879	5.079	442.140	500.000	-11.6
Aroclor-1016-5	5.177	5.092	5.292	472.480	500.000	-5.5
Aroclor-1260-1	6.207	6.125	6.325	436.270	500.000	-12.7
Aroclor-1260-2	6.395	6.313	6.513	431.390	500.000	-13.7
Aroclor-1260-3	6.547	6.466	6.666	406.860	500.000	-18.6
Aroclor-1260-4	7.019	6.939	7.139	440.280	500.000	-11.9
Aroclor-1260-5	7.259	7.179	7.379	451.450	500.000	-9.7
Decachlorobiphenyl	8.643	8.571	8.771	40.090	50.000	-19.8
Tetrachloro-m-xylene	3.652	3.560	3.760	47.250	50.000	-5.5

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3400

Continuing Calib Date: 10/23/2025

Initial Calibration Date(s): 10/10/2025 10/10/2025

Continuing Calib Time: 08:59

Initial Calibration Time(s): 08:57 16:43

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.48	4.48	4.38	4.58	0.00
Aroclor-1016-2	(2)	4.50	4.50	4.40	4.60	0.00
Aroclor-1016-3	(3)	4.56	4.56	4.46	4.66	0.00
Aroclor-1016-4	(4)	4.65	4.65	4.55	4.75	0.00
Aroclor-1016-5	(5)	4.93	4.93	4.83	5.03	0.00
Aroclor-1260-1	(1)	6.02	6.02	5.92	6.12	0.00
Aroclor-1260-2	(2)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-3	(3)	6.63	6.63	6.53	6.73	0.00
Aroclor-1260-4	(4)	6.84	6.84	6.74	6.94	0.00
Aroclor-1260-5	(5)	7.15	7.15	7.05	7.25	0.00
Tetrachloro-m-xylene		3.40	3.40	3.30	3.50	0.00
Decachlorobiphenyl		8.50	8.50	8.40	8.60	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3400

Continuing Calib Date: 10/23/2025

Initial Calibration Date(s): 10/10/2025 10/10/2025

Continuing Calib Time: 08:59

Initial Calibration Time(s): 08:57 16:43

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	3.78	3.78	3.68	3.88	0.00
Aroclor-1016-2	(2)	3.79	3.79	3.69	3.89	0.00
Aroclor-1016-3	(3)	3.95	3.95	3.85	4.05	0.00
Aroclor-1016-4	(4)	4.00	4.00	3.90	4.10	0.00
Aroclor-1016-5	(5)	4.20	4.20	4.10	4.30	0.00
Aroclor-1260-1	(1)	5.19	5.19	5.09	5.29	0.00
Aroclor-1260-2	(2)	5.38	5.38	5.28	5.48	0.00
Aroclor-1260-3	(3)	5.52	5.52	5.42	5.62	0.00
Aroclor-1260-4	(4)	5.98	5.98	5.88	6.08	0.00
Aroclor-1260-5	(5)	6.22	6.22	6.12	6.32	0.00
Tetrachloro-m-xylene		2.78	2.78	2.68	2.88	0.00
Decachlorobiphenyl		7.53	7.53	7.43	7.63	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ICES02
Lab Code: ACE **SDG NO.:** Q3400
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/10/2025 10/10/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/23/2025
Lab Sample No.: AR1660CCC500 **Data File :** PQ071086.D **Time Analyzed:** 08:59

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.481	4.380	4.580	536.950	500.000	7.4
Aroclor-1016-2	4.499	4.399	4.599	535.300	500.000	7.1
Aroclor-1016-3	4.557	4.456	4.656	544.430	500.000	8.9
Aroclor-1016-4	4.647	4.546	4.746	540.610	500.000	8.1
Aroclor-1016-5	4.931	4.831	5.031	533.730	500.000	6.7
Aroclor-1260-1	6.021	5.919	6.119	523.570	500.000	4.7
Aroclor-1260-2	6.277	6.175	6.375	524.480	500.000	4.9
Aroclor-1260-3	6.628	6.526	6.726	542.650	500.000	8.5
Aroclor-1260-4	6.842	6.740	6.940	551.920	500.000	10.4
Aroclor-1260-5	7.147	7.045	7.245	548.300	500.000	9.7
Decachlorobiphenyl	8.499	8.396	8.596	54.810	50.000	9.6
Tetrachloro-m-xylene	3.400	3.300	3.500	53.710	50.000	7.4

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ICES02
Lab Code: ACE **SDG NO.:** Q3400
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/10/2025 10/10/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/23/2025
Lab Sample No.: AR1660CCC500 **Data File :** PQ071086.D **Time Analyzed:** 08:59

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	3.776	3.678	3.878	448.240	500.000	-10.4
Aroclor-1016-2	3.792	3.693	3.893	444.160	500.000	-11.2
Aroclor-1016-3	3.952	3.853	4.053	458.590	500.000	-8.3
Aroclor-1016-4	4.000	3.902	4.102	462.320	500.000	-7.5
Aroclor-1016-5	4.195	4.097	4.297	456.210	500.000	-8.8
Aroclor-1260-1	5.187	5.089	5.289	455.010	500.000	-9.0
Aroclor-1260-2	5.376	5.278	5.478	454.650	500.000	-9.1
Aroclor-1260-3	5.518	5.419	5.619	457.030	500.000	-8.6
Aroclor-1260-4	5.977	5.879	6.079	459.370	500.000	-8.1
Aroclor-1260-5	6.222	6.124	6.324	445.620	500.000	-10.9
Decachlorobiphenyl	7.532	7.433	7.633	52.490	50.000	5.0
Tetrachloro-m-xylene	2.777	2.678	2.878	47.420	50.000	-5.2

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3400

Continuing Calib Date: 10/23/2025

Initial Calibration Date(s): 10/10/2025 10/10/2025

Continuing Calib Time: 13:37

Initial Calibration Time(s): 08:57 16:43

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.48	4.48	4.38	4.58	0.00
Aroclor-1016-2	(2)	4.50	4.50	4.40	4.60	0.00
Aroclor-1016-3	(3)	4.56	4.56	4.46	4.66	0.00
Aroclor-1016-4	(4)	4.65	4.65	4.55	4.75	0.00
Aroclor-1016-5	(5)	4.93	4.93	4.83	5.03	0.00
Aroclor-1260-1	(1)	6.02	6.02	5.92	6.12	0.00
Aroclor-1260-2	(2)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-3	(3)	6.63	6.63	6.53	6.73	0.00
Aroclor-1260-4	(4)	6.84	6.84	6.74	6.94	0.00
Aroclor-1260-5	(5)	7.15	7.15	7.05	7.25	0.00
Tetrachloro-m-xylene		3.40	3.40	3.30	3.50	0.00
Decachlorobiphenyl		8.50	8.50	8.40	8.60	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3400

Continuing Calib Date: 10/23/2025

Initial Calibration Date(s): 10/10/2025 10/10/2025

Continuing Calib Time: 13:37

Initial Calibration Time(s): 08:57 16:43

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	3.78	3.78	3.68	3.88	0.00
Aroclor-1016-2	(2)	3.79	3.79	3.69	3.89	0.00
Aroclor-1016-3	(3)	3.95	3.95	3.85	4.05	0.00
Aroclor-1016-4	(4)	4.00	4.00	3.90	4.10	0.00
Aroclor-1016-5	(5)	4.20	4.20	4.10	4.30	0.00
Aroclor-1260-1	(1)	5.19	5.19	5.09	5.29	0.00
Aroclor-1260-2	(2)	5.38	5.38	5.28	5.48	0.00
Aroclor-1260-3	(3)	5.52	5.52	5.42	5.62	0.00
Aroclor-1260-4	(4)	5.98	5.98	5.88	6.08	0.00
Aroclor-1260-5	(5)	6.22	6.22	6.12	6.32	0.00
Tetrachloro-m-xylene		2.78	2.78	2.68	2.88	0.00
Decachlorobiphenyl		7.53	7.53	7.43	7.63	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ICES02
Lab Code: ACE **SDG NO.:** Q3400
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/10/2025 10/10/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/23/2025
Lab Sample No.: AR1660CCC500 **Data File :** PQ071098.D **Time Analyzed:** 13:37

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.480	4.380	4.580	547.800	500.000	9.6
Aroclor-1016-2	4.498	4.399	4.599	544.520	500.000	8.9
Aroclor-1016-3	4.556	4.456	4.656	550.240	500.000	10.0
Aroclor-1016-4	4.646	4.546	4.746	556.420	500.000	11.3
Aroclor-1016-5	4.931	4.831	5.031	553.620	500.000	10.7
Aroclor-1260-1	6.020	5.919	6.119	549.350	500.000	9.9
Aroclor-1260-2	6.276	6.175	6.375	554.480	500.000	10.9
Aroclor-1260-3	6.627	6.526	6.726	559.460	500.000	11.9
Aroclor-1260-4	6.841	6.740	6.940	571.200	500.000	14.2
Aroclor-1260-5	7.146	7.045	7.245	565.790	500.000	13.2
Decachlorobiphenyl	8.498	8.396	8.596	56.680	50.000	13.4
Tetrachloro-m-xylene	3.399	3.300	3.500	54.440	50.000	8.9

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ICES02
Lab Code: ACE **SDG NO.:** Q3400
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/10/2025 10/10/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/23/2025
Lab Sample No.: AR1660CCC500 **Data File :** PQ071098.D **Time Analyzed:** 13:37

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	3.776	3.678	3.878	453.960	500.000	-9.2
Aroclor-1016-2	3.792	3.693	3.893	452.590	500.000	-9.5
Aroclor-1016-3	3.951	3.853	4.053	464.930	500.000	-7.0
Aroclor-1016-4	4.000	3.902	4.102	469.520	500.000	-6.1
Aroclor-1016-5	4.195	4.097	4.297	470.610	500.000	-5.9
Aroclor-1260-1	5.188	5.089	5.289	476.540	500.000	-4.7
Aroclor-1260-2	5.377	5.278	5.478	468.050	500.000	-6.4
Aroclor-1260-3	5.518	5.419	5.619	457.860	500.000	-8.4
Aroclor-1260-4	5.978	5.879	6.079	473.740	500.000	-5.3
Aroclor-1260-5	6.222	6.124	6.324	469.640	500.000	-6.1
Decachlorobiphenyl	7.532	7.433	7.633	55.130	50.000	10.3
Tetrachloro-m-xylene	2.776	2.678	2.878	49.120	50.000	-1.8

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3400

Continuing Calib Date: 10/24/2025

Initial Calibration Date(s): 10/10/2025 10/10/2025

Continuing Calib Time: 08:52

Initial Calibration Time(s): 08:57 16:43

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.48	4.48	4.38	4.58	0.00
Aroclor-1016-2	(2)	4.50	4.50	4.40	4.60	0.00
Aroclor-1016-3	(3)	4.56	4.56	4.46	4.66	0.00
Aroclor-1016-4	(4)	4.65	4.65	4.55	4.75	0.00
Aroclor-1016-5	(5)	4.93	4.93	4.83	5.03	0.00
Aroclor-1260-1	(1)	6.02	6.02	5.92	6.12	0.00
Aroclor-1260-2	(2)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-3	(3)	6.63	6.63	6.53	6.73	0.00
Aroclor-1260-4	(4)	6.84	6.84	6.74	6.94	0.00
Aroclor-1260-5	(5)	7.15	7.15	7.05	7.25	0.00
Tetrachloro-m-xylene		3.40	3.40	3.30	3.50	0.00
Decachlorobiphenyl		8.50	8.50	8.40	8.60	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3400

Continuing Calib Date: 10/24/2025

Initial Calibration Date(s): 10/10/2025 10/10/2025

Continuing Calib Time: 08:52

Initial Calibration Time(s): 08:57 16:43

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	3.78	3.78	3.68	3.88	0.00
Aroclor-1016-2	(2)	3.79	3.79	3.69	3.89	0.00
Aroclor-1016-3	(3)	3.95	3.95	3.85	4.05	0.00
Aroclor-1016-4	(4)	4.00	4.00	3.90	4.10	0.00
Aroclor-1016-5	(5)	4.20	4.20	4.10	4.30	0.00
Aroclor-1260-1	(1)	5.19	5.19	5.09	5.29	0.00
Aroclor-1260-2	(2)	5.38	5.38	5.28	5.48	0.00
Aroclor-1260-3	(3)	5.52	5.52	5.42	5.62	0.00
Aroclor-1260-4	(4)	5.98	5.98	5.88	6.08	0.00
Aroclor-1260-5	(5)	6.22	6.22	6.12	6.32	0.00
Tetrachloro-m-xylene		2.78	2.78	2.68	2.88	0.00
Decachlorobiphenyl		7.53	7.53	7.43	7.63	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ICES02
Lab Code: ACE **SDG NO.:** Q3400
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/10/2025 10/10/2025

Client Sample No.: CCAL05 **Date Analyzed:** 10/24/2025
Lab Sample No.: AR1660CCC500 **Data File :** PQ071119.D **Time Analyzed:** 08:52

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.480	4.380	4.580	529.290	500.000	5.9
Aroclor-1016-2	4.499	4.399	4.599	527.760	500.000	5.6
Aroclor-1016-3	4.557	4.456	4.656	540.370	500.000	8.1
Aroclor-1016-4	4.647	4.546	4.746	539.790	500.000	8.0
Aroclor-1016-5	4.931	4.831	5.031	531.950	500.000	6.4
Aroclor-1260-1	6.021	5.919	6.119	517.090	500.000	3.4
Aroclor-1260-2	6.277	6.175	6.375	516.680	500.000	3.3
Aroclor-1260-3	6.628	6.526	6.726	542.990	500.000	8.6
Aroclor-1260-4	6.842	6.740	6.940	552.950	500.000	10.6
Aroclor-1260-5	7.147	7.045	7.245	543.020	500.000	8.6
Decachlorobiphenyl	8.499	8.396	8.596	54.590	50.000	9.2
Tetrachloro-m-xylene	3.400	3.300	3.500	52.510	50.000	5.0

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ICES02
Lab Code: ACE **SDG NO.:** Q3400
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/10/2025 10/10/2025

Client Sample No.: CCAL05 **Date Analyzed:** 10/24/2025
Lab Sample No.: AR1660CCC500 **Data File :** PQ071119.D **Time Analyzed:** 08:52

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	3.776	3.678	3.878	423.330	500.000	-15.3
Aroclor-1016-2	3.791	3.693	3.893	423.970	500.000	-15.2
Aroclor-1016-3	3.952	3.853	4.053	438.320	500.000	-12.3
Aroclor-1016-4	4.000	3.902	4.102	444.030	500.000	-11.2
Aroclor-1016-5	4.195	4.097	4.297	436.450	500.000	-12.7
Aroclor-1260-1	5.187	5.089	5.289	433.170	500.000	-13.4
Aroclor-1260-2	5.376	5.278	5.478	431.050	500.000	-13.8
Aroclor-1260-3	5.517	5.419	5.619	433.100	500.000	-13.4
Aroclor-1260-4	5.977	5.879	6.079	438.310	500.000	-12.3
Aroclor-1260-5	6.222	6.124	6.324	424.780	500.000	-15.0
Decachlorobiphenyl	7.532	7.433	7.633	51.170	50.000	2.3
Tetrachloro-m-xylene	2.776	2.678	2.878	45.960	50.000	-8.1

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3400

Continuing Calib Date: 10/24/2025

Initial Calibration Date(s): 10/10/2025 10/10/2025

Continuing Calib Time: 10:36

Initial Calibration Time(s): 08:57 16:43

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.48	4.48	4.38	4.58	0.00
Aroclor-1016-2	(2)	4.50	4.50	4.40	4.60	0.00
Aroclor-1016-3	(3)	4.56	4.56	4.46	4.66	0.00
Aroclor-1016-4	(4)	4.65	4.65	4.55	4.75	0.00
Aroclor-1016-5	(5)	4.93	4.93	4.83	5.03	0.00
Aroclor-1260-1	(1)	6.02	6.02	5.92	6.12	0.00
Aroclor-1260-2	(2)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-3	(3)	6.63	6.63	6.53	6.73	0.00
Aroclor-1260-4	(4)	6.84	6.84	6.74	6.94	0.00
Aroclor-1260-5	(5)	7.15	7.15	7.05	7.25	0.00
Tetrachloro-m-xylene		3.40	3.40	3.30	3.50	0.00
Decachlorobiphenyl		8.50	8.50	8.40	8.60	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3400

Continuing Calib Date: 10/24/2025

Initial Calibration Date(s): 10/10/2025 10/10/2025

Continuing Calib Time: 10:36

Initial Calibration Time(s): 08:57 16:43

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	3.78	3.78	3.68	3.88	0.00
Aroclor-1016-2	(2)	3.79	3.79	3.69	3.89	0.00
Aroclor-1016-3	(3)	3.95	3.95	3.85	4.05	0.00
Aroclor-1016-4	(4)	4.00	4.00	3.90	4.10	0.00
Aroclor-1016-5	(5)	4.20	4.20	4.10	4.30	0.00
Aroclor-1260-1	(1)	5.19	5.19	5.09	5.29	0.00
Aroclor-1260-2	(2)	5.38	5.38	5.28	5.48	0.00
Aroclor-1260-3	(3)	5.52	5.52	5.42	5.62	0.00
Aroclor-1260-4	(4)	5.98	5.98	5.88	6.08	0.00
Aroclor-1260-5	(5)	6.22	6.22	6.12	6.32	0.00
Tetrachloro-m-xylene		2.78	2.78	2.68	2.88	0.00
Decachlorobiphenyl		7.53	7.53	7.43	7.63	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ICES02
Lab Code: ACE **SDG NO.:** Q3400
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/10/2025 10/10/2025

Client Sample No.: CCAL06 **Date Analyzed:** 10/24/2025
Lab Sample No.: AR1660CCC500 **Data File :** PQ071124.D **Time Analyzed:** 10:36

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.480	4.380	4.580	535.180	500.000	7.0
Aroclor-1016-2	4.499	4.399	4.599	521.020	500.000	4.2
Aroclor-1016-3	4.556	4.456	4.656	530.020	500.000	6.0
Aroclor-1016-4	4.646	4.546	4.746	529.540	500.000	5.9
Aroclor-1016-5	4.930	4.831	5.031	526.950	500.000	5.4
Aroclor-1260-1	6.020	5.919	6.119	515.670	500.000	3.1
Aroclor-1260-2	6.276	6.175	6.375	516.240	500.000	3.2
Aroclor-1260-3	6.627	6.526	6.726	541.410	500.000	8.3
Aroclor-1260-4	6.840	6.740	6.940	553.630	500.000	10.7
Aroclor-1260-5	7.147	7.045	7.245	544.110	500.000	8.8
Decachlorobiphenyl	8.497	8.396	8.596	54.590	50.000	9.2
Tetrachloro-m-xylene	3.400	3.300	3.500	52.250	50.000	4.5

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ICES02
Lab Code: ACE **SDG NO.:** Q3400
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/10/2025 10/10/2025

Client Sample No.: CCAL06 **Date Analyzed:** 10/24/2025
Lab Sample No.: AR1660CCC500 **Data File :** PQ071124.D **Time Analyzed:** 10:36

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	3.776	3.678	3.878	427.210	500.000	-14.6
Aroclor-1016-2	3.792	3.693	3.893	424.110	500.000	-15.2
Aroclor-1016-3	3.951	3.853	4.053	434.870	500.000	-13.0
Aroclor-1016-4	4.000	3.902	4.102	441.890	500.000	-11.6
Aroclor-1016-5	4.195	4.097	4.297	439.520	500.000	-12.1
Aroclor-1260-1	5.187	5.089	5.289	435.740	500.000	-12.9
Aroclor-1260-2	5.376	5.278	5.478	433.990	500.000	-13.2
Aroclor-1260-3	5.517	5.419	5.619	438.480	500.000	-12.3
Aroclor-1260-4	5.978	5.879	6.079	442.200	500.000	-11.6
Aroclor-1260-5	6.222	6.124	6.324	441.170	500.000	-11.8
Decachlorobiphenyl	7.531	7.433	7.633	51.410	50.000	2.8
Tetrachloro-m-xylene	2.776	2.678	2.878	46.210	50.000	-7.6

Analytical Sequence

Client: ICE Service Group, Inc.	SDG No.: Q3400
Project: NWIRP Northrup Grumman Site – Bethpage	Instrument ID: ECD_O
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 10/09/2025 10/09/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	10/09/2025	13:55	PO114312.D	9.93	4.36
AR1660ICC1000	AR1660ICC1000	10/09/2025	14:14	PO114313.D	9.93	4.36
AR1660ICC750	AR1660ICC750	10/09/2025	14:32	PO114314.D	9.93	4.36
AR1660ICC500	AR1660ICC500	10/09/2025	14:50	PO114315.D	9.93	4.36
AR1660ICC250	AR1660ICC250	10/09/2025	15:09	PO114316.D	9.93	4.36
AR1660ICC050	AR1660ICC050	10/09/2025	15:27	PO114317.D	9.93	4.36
AR1221ICC500	AR1221ICC500	10/09/2025	15:45	PO114318.D	9.93	4.36
AR1232ICC500	AR1232ICC500	10/09/2025	16:04	PO114319.D	9.93	4.36
AR1242ICC1000	AR1242ICC1000	10/09/2025	16:22	PO114320.D	9.93	4.36
AR1242ICC750	AR1242ICC750	10/09/2025	16:40	PO114321.D	9.93	4.36
AR1242ICC500	AR1242ICC500	10/09/2025	16:59	PO114322.D	9.93	4.36
AR1242ICC250	AR1242ICC250	10/09/2025	17:17	PO114323.D	9.93	4.36
AR1242ICC050	AR1242ICC050	10/09/2025	17:35	PO114324.D	9.93	4.36
AR1248ICC1000	AR1248ICC1000	10/09/2025	17:54	PO114325.D	9.93	4.36
AR1248ICC750	AR1248ICC750	10/09/2025	18:12	PO114326.D	9.93	4.36
AR1248ICC500	AR1248ICC500	10/09/2025	18:30	PO114327.D	9.93	4.36
AR1248ICC250	AR1248ICC250	10/09/2025	18:49	PO114328.D	9.93	4.36
AR1248ICC050	AR1248ICC050	10/09/2025	19:07	PO114329.D	9.93	4.36
AR1254ICC1000	AR1254ICC1000	10/09/2025	19:26	PO114330.D	9.93	4.36
AR1254ICC750	AR1254ICC750	10/09/2025	19:44	PO114331.D	9.93	4.36
AR1254ICC500	AR1254ICC500	10/09/2025	20:02	PO114332.D	9.93	4.36
AR1254ICC250	AR1254ICC250	10/09/2025	20:21	PO114333.D	9.93	4.36
AR1254ICC050	AR1254ICC050	10/09/2025	20:39	PO114334.D	9.93	4.36
AR1262ICC500	AR1262ICC500	10/09/2025	20:57	PO114335.D	9.93	4.36
AR1268ICC1000	AR1268ICC1000	10/09/2025	21:16	PO114336.D	9.93	4.36
AR1268ICC750	AR1268ICC750	10/09/2025	21:34	PO114337.D	9.93	4.36
AR1268ICC500	AR1268ICC500	10/09/2025	21:52	PO114338.D	9.93	4.36
AR1268ICC250	AR1268ICC250	10/09/2025	22:11	PO114339.D	9.93	4.36
AR1268ICC050	AR1268ICC050	10/09/2025	22:29	PO114340.D	9.93	4.36
AR1660CCC500	AR1660CCC500	11/03/2025	08:49	PO114834.D	9.93	4.35
IBLK	IBLK	11/03/2025	10:01	PO114838.D	9.93	4.35
PB170211BL	PB170211BL	11/03/2025	10:20	PO114839.D	9.93	4.35
AR1660CCC500	AR1660CCC500	11/03/2025	14:33	PO114849.D	9.93	4.35
IBLK	IBLK	11/03/2025	15:44	PO114853.D	9.93	4.35
IBLK	IBLK	10/10/2025	08:42	PQ070972.D	8.50	3.40
AR1660ICC1000	AR1660ICC1000	10/10/2025	08:57	PQ070973.D	8.50	3.40
AR1660ICC750	AR1660ICC750	10/10/2025	09:11	PQ070974.D	8.50	3.40
AR1660ICC500	AR1660ICC500	10/10/2025	09:26	PQ070975.D	8.50	3.40
AR1660ICC250	AR1660ICC250	10/10/2025	09:40	PQ070976.D	8.50	3.40
AR1660ICC050	AR1660ICC050	10/10/2025	09:55	PQ070977.D	8.50	3.40
AR1221ICC500	AR1221ICC500	10/10/2025	10:09	PQ070978.D	8.50	3.40
AR1232ICC500	AR1232ICC500	10/10/2025	10:24	PQ070979.D	8.50	3.40

Analytical Sequence

AR1242ICC1000	AR1242ICC1000	10/10/2025	10:38	PQ070980.D	8.50	3.40
AR1242ICC750	AR1242ICC750	10/10/2025	10:53	PQ070981.D	8.50	3.40
AR1242ICC500	AR1242ICC500	10/10/2025	11:08	PQ070982.D	8.50	3.40
AR1242ICC250	AR1242ICC250	10/10/2025	11:22	PQ070983.D	8.50	3.40
AR1242ICC050	AR1242ICC050	10/10/2025	11:37	PQ070984.D	8.50	3.40
AR1248ICC1000	AR1248ICC1000	10/10/2025	11:51	PQ070985.D	8.50	3.40
AR1248ICC750	AR1248ICC750	10/10/2025	12:06	PQ070986.D	8.50	3.40
AR1248ICC500	AR1248ICC500	10/10/2025	12:20	PQ070987.D	8.50	3.40
AR1248ICC250	AR1248ICC250	10/10/2025	12:35	PQ070988.D	8.50	3.40
AR1248ICC050	AR1248ICC050	10/10/2025	12:50	PQ070989.D	8.50	3.40
AR1254ICC1000	AR1254ICC1000	10/10/2025	13:04	PQ070990.D	8.50	3.40
AR1254ICC750	AR1254ICC750	10/10/2025	13:19	PQ070991.D	8.50	3.40
AR1254ICC500	AR1254ICC500	10/10/2025	13:33	PQ070992.D	8.50	3.40
AR1254ICC250	AR1254ICC250	10/10/2025	13:48	PQ070993.D	8.50	3.40
AR1254ICC050	AR1254ICC050	10/10/2025	15:15	PQ070994.D	8.50	3.40
AR1262ICC500	AR1262ICC500	10/10/2025	15:30	PQ070995.D	8.50	3.40
AR1268ICC1000	AR1268ICC1000	10/10/2025	15:44	PQ070996.D	8.50	3.40
AR1268ICC750	AR1268ICC750	10/10/2025	15:59	PQ070997.D	8.50	3.40
AR1268ICC500	AR1268ICC500	10/10/2025	16:13	PQ070998.D	8.50	3.40
AR1268ICC250	AR1268ICC250	10/10/2025	16:28	PQ070999.D	8.50	3.40
AR1268ICC050	AR1268ICC050	10/10/2025	16:43	PQ071000.D	8.50	3.40
AR1660CCC500	AR1660CCC500	10/23/2025	08:59	PQ071086.D	8.50	3.40
IBLK	IBLK	10/23/2025	10:42	PQ071090.D	8.50	3.40
FRAC-TANK-0760450	Q3400-01	10/23/2025	11:55	PQ071095.D	8.50	3.40
AR1660CCC500	AR1660CCC500	10/23/2025	13:37	PQ071098.D	8.50	3.40
IBLK	IBLK	10/23/2025	14:35	PQ071102.D	8.50	3.40
AR1660CCC500	AR1660CCC500	10/24/2025	08:52	PQ071119.D	8.50	3.40
IBLK	IBLK	10/24/2025	09:06	PQ071120.D	8.50	3.40
PB170211BS	PB170211BS	10/24/2025	09:34	PQ071121.D	8.51	3.41
PB170211BSD	PB170211BSD	10/24/2025	09:51	PQ071122.D	8.51	3.41
AR1660CCC500	AR1660CCC500	10/24/2025	10:36	PQ071124.D	8.50	3.40
IBLK	IBLK	10/24/2025	11:46	PQ071128.D	8.51	3.41

Analytical Sequence

Client: ICE Service Group, Inc.	SDG No.: Q3400
Project: NWIRP Northrup Grumman Site – Bethpage	Instrument ID: ECD_O
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 10/09/2025 10/09/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	10/09/2025	13:55	PO114312.D	8.67	3.66
AR1660ICC1000	AR1660ICC1000	10/09/2025	14:14	PO114313.D	8.67	3.66
AR1660ICC750	AR1660ICC750	10/09/2025	14:32	PO114314.D	8.67	3.66
AR1660ICC500	AR1660ICC500	10/09/2025	14:50	PO114315.D	8.67	3.66
AR1660ICC250	AR1660ICC250	10/09/2025	15:09	PO114316.D	8.67	3.66
AR1660ICC050	AR1660ICC050	10/09/2025	15:27	PO114317.D	8.67	3.66
AR1221ICC500	AR1221ICC500	10/09/2025	15:45	PO114318.D	8.67	3.66
AR1232ICC500	AR1232ICC500	10/09/2025	16:04	PO114319.D	8.67	3.66
AR1242ICC1000	AR1242ICC1000	10/09/2025	16:22	PO114320.D	8.67	3.66
AR1242ICC750	AR1242ICC750	10/09/2025	16:40	PO114321.D	8.67	3.66
AR1242ICC500	AR1242ICC500	10/09/2025	16:59	PO114322.D	8.67	3.66
AR1242ICC250	AR1242ICC250	10/09/2025	17:17	PO114323.D	8.67	3.66
AR1242ICC050	AR1242ICC050	10/09/2025	17:35	PO114324.D	8.67	3.66
AR1248ICC1000	AR1248ICC1000	10/09/2025	17:54	PO114325.D	8.67	3.66
AR1248ICC750	AR1248ICC750	10/09/2025	18:12	PO114326.D	8.67	3.66
AR1248ICC500	AR1248ICC500	10/09/2025	18:30	PO114327.D	8.67	3.66
AR1248ICC250	AR1248ICC250	10/09/2025	18:49	PO114328.D	8.67	3.66
AR1248ICC050	AR1248ICC050	10/09/2025	19:07	PO114329.D	8.67	3.66
AR1254ICC1000	AR1254ICC1000	10/09/2025	19:26	PO114330.D	8.67	3.66
AR1254ICC750	AR1254ICC750	10/09/2025	19:44	PO114331.D	8.67	3.66
AR1254ICC500	AR1254ICC500	10/09/2025	20:02	PO114332.D	8.67	3.66
AR1254ICC250	AR1254ICC250	10/09/2025	20:21	PO114333.D	8.67	3.66
AR1254ICC050	AR1254ICC050	10/09/2025	20:39	PO114334.D	8.67	3.66
AR1262ICC500	AR1262ICC500	10/09/2025	20:57	PO114335.D	8.67	3.66
AR1268ICC1000	AR1268ICC1000	10/09/2025	21:16	PO114336.D	8.67	3.66
AR1268ICC750	AR1268ICC750	10/09/2025	21:34	PO114337.D	8.67	3.66
AR1268ICC500	AR1268ICC500	10/09/2025	21:52	PO114338.D	8.67	3.66
AR1268ICC250	AR1268ICC250	10/09/2025	22:11	PO114339.D	8.67	3.66
AR1268ICC050	AR1268ICC050	10/09/2025	22:29	PO114340.D	8.67	3.66
AR1660CCC500	AR1660CCC500	11/03/2025	08:49	PO114834.D	8.64	3.65
IBLK	IBLK	11/03/2025	10:01	PO114838.D	8.64	3.65
PB170211BL	PB170211BL	11/03/2025	10:20	PO114839.D	8.64	3.65
AR1660CCC500	AR1660CCC500	11/03/2025	14:33	PO114849.D	8.64	3.65
IBLK	IBLK	11/03/2025	15:44	PO114853.D	8.64	3.65
IBLK	IBLK	10/10/2025	08:42	PQ070972.D	7.53	2.78
AR1660ICC1000	AR1660ICC1000	10/10/2025	08:57	PQ070973.D	7.53	2.78
AR1660ICC750	AR1660ICC750	10/10/2025	09:11	PQ070974.D	7.53	2.78
AR1660ICC500	AR1660ICC500	10/10/2025	09:26	PQ070975.D	7.53	2.78
AR1660ICC250	AR1660ICC250	10/10/2025	09:40	PQ070976.D	7.53	2.78
AR1660ICC050	AR1660ICC050	10/10/2025	09:55	PQ070977.D	7.53	2.78
AR1221ICC500	AR1221ICC500	10/10/2025	10:09	PQ070978.D	7.53	2.78
AR1232ICC500	AR1232ICC500	10/10/2025	10:24	PQ070979.D	7.53	2.78

Analytical Sequence

AR1242ICC1000	AR1242ICC1000	10/10/2025	10:38	PQ070980.D	7.53	2.78
AR1242ICC750	AR1242ICC750	10/10/2025	10:53	PQ070981.D	7.53	2.78
AR1242ICC500	AR1242ICC500	10/10/2025	11:08	PQ070982.D	7.53	2.78
AR1242ICC250	AR1242ICC250	10/10/2025	11:22	PQ070983.D	7.53	2.78
AR1242ICC050	AR1242ICC050	10/10/2025	11:37	PQ070984.D	7.53	2.78
AR1248ICC1000	AR1248ICC1000	10/10/2025	11:51	PQ070985.D	7.53	2.78
AR1248ICC750	AR1248ICC750	10/10/2025	12:06	PQ070986.D	7.53	2.78
AR1248ICC500	AR1248ICC500	10/10/2025	12:20	PQ070987.D	7.53	2.78
AR1248ICC250	AR1248ICC250	10/10/2025	12:35	PQ070988.D	7.53	2.78
AR1248ICC050	AR1248ICC050	10/10/2025	12:50	PQ070989.D	7.53	2.78
AR1254ICC1000	AR1254ICC1000	10/10/2025	13:04	PQ070990.D	7.53	2.78
AR1254ICC750	AR1254ICC750	10/10/2025	13:19	PQ070991.D	7.53	2.78
AR1254ICC500	AR1254ICC500	10/10/2025	13:33	PQ070992.D	7.53	2.78
AR1254ICC250	AR1254ICC250	10/10/2025	13:48	PQ070993.D	7.53	2.78
AR1254ICC050	AR1254ICC050	10/10/2025	15:15	PQ070994.D	7.53	2.78
AR1262ICC500	AR1262ICC500	10/10/2025	15:30	PQ070995.D	7.53	2.78
AR1268ICC1000	AR1268ICC1000	10/10/2025	15:44	PQ070996.D	7.53	2.78
AR1268ICC750	AR1268ICC750	10/10/2025	15:59	PQ070997.D	7.53	2.78
AR1268ICC500	AR1268ICC500	10/10/2025	16:13	PQ070998.D	7.53	2.78
AR1268ICC250	AR1268ICC250	10/10/2025	16:28	PQ070999.D	7.53	2.78
AR1268ICC050	AR1268ICC050	10/10/2025	16:43	PQ071000.D	7.53	2.78
AR1660CCC500	AR1660CCC500	10/23/2025	08:59	PQ071086.D	7.53	2.78
IBLK	IBLK	10/23/2025	10:42	PQ071090.D	7.53	2.78
FRAC-TANK-0760450	Q3400-01	10/23/2025	11:55	PQ071095.D	7.53	2.78
AR1660CCC500	AR1660CCC500	10/23/2025	13:37	PQ071098.D	7.53	2.78
IBLK	IBLK	10/23/2025	14:35	PQ071102.D	7.53	2.78
AR1660CCC500	AR1660CCC500	10/24/2025	08:52	PQ071119.D	7.53	2.78
IBLK	IBLK	10/24/2025	09:06	PQ071120.D	7.53	2.78
PB170211BS	PB170211BS	10/24/2025	09:34	PQ071121.D	7.53	2.77
PB170211BSD	PB170211BSD	10/24/2025	09:51	PQ071122.D	7.53	2.78
AR1660CCC500	AR1660CCC500	10/24/2025	10:36	PQ071124.D	7.53	2.78
IBLK	IBLK	10/24/2025	11:46	PQ071128.D	7.53	2.78



QC SAMPLE DATA

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: PB170211BL
Lab Sample ID: PB170211BL
Analytical Method: 8082A
Sample Wt/Vol: 1000 mL Final Vol: 10000 uL
Prep Method: Prep Date: 10/22/25

Date Collected:
Date Received:
SDG No.: Q3400
Matrix: WATER
% Solid: 0
Test: PCB

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
12674-11-2	Aroclor-1016	0.25	U	1	0.097	0.25	0.50	ug/L	11/03/25 10:20	PB170211
11104-28-2	Aroclor-1221	0.40	U	1	0.13	0.40	0.50	ug/L	11/03/25 10:20	PB170211
11141-16-5	Aroclor-1232	0.25	U	1	0.096	0.25	0.50	ug/L	11/03/25 10:20	PB170211
53469-21-9	Aroclor-1242	0.25	U	1	0.12	0.25	0.50	ug/L	11/03/25 10:20	PB170211
12672-29-6	Aroclor-1248	0.25	U	1	0.071	0.25	0.50	ug/L	11/03/25 10:20	PB170211
11097-69-1	Aroclor-1254	0.25	U	1	0.094	0.25	0.50	ug/L	11/03/25 10:20	PB170211
37324-23-5	Aroclor-1262	0.40	U	1	0.14	0.40	0.50	ug/L	11/03/25 10:20	PB170211
11100-14-4	Aroclor-1268	0.25	U	1	0.11	0.25	0.50	ug/L	11/03/25 10:20	PB170211
11096-82-5	Aroclor-1260	0.25	U	1	0.081	0.25	0.50	ug/L	11/03/25 10:20	PB170211
SURROGATES										
877-09-8	Tetrachloro-m-xylene	20.6			35 - 137		103%	SPK: 20		
2051-24-3	Decachlorobiphenyl	21.0			40 - 135		105%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance 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

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	ICE Service Group, Inc.		Date Collected:	10/09/25
Project:	NWIRP Northrup Grumman Site – Bethpage, NY		Date Received:	10/09/25
Client Sample ID:	PIBLK-PO114312.D		SDG No.:	Q3400
Lab Sample ID:	I.BLK-PO114312.D		Matrix:	WATER
Analytical Method:	8082A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
12674-11-2	Aroclor-1016	0.25	U	1	0.097	0.25	0.50	ug/L	10/09/25	po100925
11104-28-2	Aroclor-1221	0.40	U	1	0.13	0.40	0.50	ug/L	10/09/25	po100925
11141-16-5	Aroclor-1232	0.25	U	1	0.096	0.25	0.50	ug/L	10/09/25	po100925
53469-21-9	Aroclor-1242	0.25	U	1	0.12	0.25	0.50	ug/L	10/09/25	po100925
12672-29-6	Aroclor-1248	0.25	U	1	0.071	0.25	0.50	ug/L	10/09/25	po100925
11097-69-1	Aroclor-1254	0.25	U	1	0.094	0.25	0.50	ug/L	10/09/25	po100925
11096-82-5	Aroclor-1260	0.25	U	1	0.081	0.25	0.50	ug/L	10/09/25	po100925
37324-23-5	Aroclor-1262	0.40	U	1	0.14	0.40	0.50	ug/L	10/09/25	po100925
11100-14-4	Aroclor-1268	0.25	U	1	0.11	0.25	0.50	ug/L	10/09/25	po100925
SURROGATES										
877-09-8	Tetrachloro-m-xylene	18.6			60 - 140		93%	SPK: 20		
2051-24-3	Decachlorobiphenyl	19.0			60 - 140		95%	SPK: 20		

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J = Estimated Value

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Report of Analysis

Client:	ICE Service Group, Inc.		Date Collected:	11/03/25
Project:	NWIRP Northrup Grumman Site – Bethpage, NY		Date Received:	11/03/25
Client Sample ID:	PIBLK-PO114838.D		SDG No.:	Q3400
Lab Sample ID:	I.BLK-PO114838.D		Matrix:	WATER
Analytical Method:	8082A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
12674-11-2	Aroclor-1016	0.25	U	1	0.097	0.25	0.50	ug/L	11/03/25	PO110325
11104-28-2	Aroclor-1221	0.40	U	1	0.13	0.40	0.50	ug/L	11/03/25	PO110325
11141-16-5	Aroclor-1232	0.25	U	1	0.096	0.25	0.50	ug/L	11/03/25	PO110325
53469-21-9	Aroclor-1242	0.25	U	1	0.12	0.25	0.50	ug/L	11/03/25	PO110325
12672-29-6	Aroclor-1248	0.25	U	1	0.071	0.25	0.50	ug/L	11/03/25	PO110325
11097-69-1	Aroclor-1254	0.25	U	1	0.094	0.25	0.50	ug/L	11/03/25	PO110325
11096-82-5	Aroclor-1260	0.25	U	1	0.081	0.25	0.50	ug/L	11/03/25	PO110325
37324-23-5	Aroclor-1262	0.40	U	1	0.14	0.40	0.50	ug/L	11/03/25	PO110325
11100-14-4	Aroclor-1268	0.25	U	1	0.11	0.25	0.50	ug/L	11/03/25	PO110325
SURROGATES										
877-09-8	Tetrachloro-m-xylene	18.5			60 - 140		93%	SPK: 20		
2051-24-3	Decachlorobiphenyl	20.8			60 - 140		104%	SPK: 20		

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Report of Analysis

Client:	ICE Service Group, Inc.		Date Collected:	11/03/25
Project:	NWIRP Northrup Grumman Site – Bethpage, NY		Date Received:	11/03/25
Client Sample ID:	PIBLK-PO114853.D		SDG No.:	Q3400
Lab Sample ID:	I.BLK-PO114853.D		Matrix:	WATER
Analytical Method:	8082A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
12674-11-2	Aroclor-1016	0.25	U	1	0.097	0.25	0.50	ug/L	11/03/25	po110325
11104-28-2	Aroclor-1221	0.40	U	1	0.13	0.40	0.50	ug/L	11/03/25	po110325
11141-16-5	Aroclor-1232	0.25	U	1	0.096	0.25	0.50	ug/L	11/03/25	po110325
53469-21-9	Aroclor-1242	0.25	U	1	0.12	0.25	0.50	ug/L	11/03/25	po110325
12672-29-6	Aroclor-1248	0.25	U	1	0.071	0.25	0.50	ug/L	11/03/25	po110325
11097-69-1	Aroclor-1254	0.25	U	1	0.094	0.25	0.50	ug/L	11/03/25	po110325
11096-82-5	Aroclor-1260	0.25	U	1	0.081	0.25	0.50	ug/L	11/03/25	po110325
37324-23-5	Aroclor-1262	0.40	U	1	0.14	0.40	0.50	ug/L	11/03/25	po110325
11100-14-4	Aroclor-1268	0.25	U	1	0.11	0.25	0.50	ug/L	11/03/25	po110325
SURROGATES										
877-09-8	Tetrachloro-m-xylene	18.9			60 - 140		94%	SPK: 20		
2051-24-3	Decachlorobiphenyl	18.5			60 - 140		92%	SPK: 20		

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Report of Analysis

Client:	ICE Service Group, Inc.		Date Collected:	10/10/25
Project:	NWIRP Northrup Grumman Site – Bethpage, NY		Date Received:	10/10/25
Client Sample ID:	PIBLK-PQ070972.D		SDG No.:	Q3400
Lab Sample ID:	I.BLK-PQ070972.D		Matrix:	WATER
Analytical Method:	8082A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
12674-11-2	Aroclor-1016	0.25	U	1	0.097	0.25	0.50	ug/L	10/10/25	pq101025
11104-28-2	Aroclor-1221	0.40	U	1	0.13	0.40	0.50	ug/L	10/10/25	pq101025
11141-16-5	Aroclor-1232	0.25	U	1	0.096	0.25	0.50	ug/L	10/10/25	pq101025
53469-21-9	Aroclor-1242	0.25	U	1	0.12	0.25	0.50	ug/L	10/10/25	pq101025
12672-29-6	Aroclor-1248	0.25	U	1	0.071	0.25	0.50	ug/L	10/10/25	pq101025
11097-69-1	Aroclor-1254	0.25	U	1	0.094	0.25	0.50	ug/L	10/10/25	pq101025
11096-82-5	Aroclor-1260	0.25	U	1	0.081	0.25	0.50	ug/L	10/10/25	pq101025
37324-23-5	Aroclor-1262	0.40	U	1	0.14	0.40	0.50	ug/L	10/10/25	pq101025
11100-14-4	Aroclor-1268	0.25	U	1	0.11	0.25	0.50	ug/L	10/10/25	pq101025
SURROGATES										
877-09-8	Tetrachloro-m-xylene	18.3			60 - 140		91%	SPK: 20		
2051-24-3	Decachlorobiphenyl	19.0			60 - 140		95%	SPK: 20		

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M = MS/MSD acceptance criteria did not meet requirements

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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Report of Analysis

Client:	ICE Service Group, Inc.		Date Collected:	10/23/25
Project:	NWIRP Northrup Grumman Site – Bethpage, NY		Date Received:	10/23/25
Client Sample ID:	PIBLK-PQ071090.D		SDG No.:	Q3400
Lab Sample ID:	I.BLK-PQ071090.D		Matrix:	WATER
Analytical Method:	8082A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
12674-11-2	Aroclor-1016	0.25	U	1	0.097	0.25	0.50	ug/L	10/23/25	pq102325
11104-28-2	Aroclor-1221	0.40	U	1	0.13	0.40	0.50	ug/L	10/23/25	pq102325
11141-16-5	Aroclor-1232	0.25	U	1	0.096	0.25	0.50	ug/L	10/23/25	pq102325
53469-21-9	Aroclor-1242	0.25	U	1	0.12	0.25	0.50	ug/L	10/23/25	pq102325
12672-29-6	Aroclor-1248	0.25	U	1	0.071	0.25	0.50	ug/L	10/23/25	pq102325
11097-69-1	Aroclor-1254	0.25	U	1	0.094	0.25	0.50	ug/L	10/23/25	pq102325
11096-82-5	Aroclor-1260	0.25	U	1	0.081	0.25	0.50	ug/L	10/23/25	pq102325
37324-23-5	Aroclor-1262	0.40	U	1	0.14	0.40	0.50	ug/L	10/23/25	pq102325
11100-14-4	Aroclor-1268	0.25	U	1	0.11	0.25	0.50	ug/L	10/23/25	pq102325
SURROGATES										
877-09-8	Tetrachloro-m-xylene	19.3			60 - 140		97%	SPK: 20		
2051-24-3	Decachlorobiphenyl	23.1			60 - 140		115%	SPK: 20		

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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Report of Analysis

Client:	ICE Service Group, Inc.		Date Collected:	10/23/25
Project:	NWIRP Northrup Grumman Site – Bethpage, NY		Date Received:	10/23/25
Client Sample ID:	PIBLK-PQ071102.D		SDG No.:	Q3400
Lab Sample ID:	I.BLK-PQ071102.D		Matrix:	WATER
Analytical Method:	8082A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
12674-11-2	Aroclor-1016	0.25	U	1	0.097	0.25	0.50	ug/L	10/23/25	pq102325
11104-28-2	Aroclor-1221	0.40	U	1	0.13	0.40	0.50	ug/L	10/23/25	pq102325
11141-16-5	Aroclor-1232	0.25	U	1	0.096	0.25	0.50	ug/L	10/23/25	pq102325
53469-21-9	Aroclor-1242	0.25	U	1	0.12	0.25	0.50	ug/L	10/23/25	pq102325
12672-29-6	Aroclor-1248	0.25	U	1	0.071	0.25	0.50	ug/L	10/23/25	pq102325
11097-69-1	Aroclor-1254	0.25	U	1	0.094	0.25	0.50	ug/L	10/23/25	pq102325
11096-82-5	Aroclor-1260	0.25	U	1	0.081	0.25	0.50	ug/L	10/23/25	pq102325
37324-23-5	Aroclor-1262	0.40	U	1	0.14	0.40	0.50	ug/L	10/23/25	pq102325
11100-14-4	Aroclor-1268	0.25	U	1	0.11	0.25	0.50	ug/L	10/23/25	pq102325
SURROGATES										
877-09-8	Tetrachloro-m-xylene	19.1			60 - 140		95%	SPK: 20		
2051-24-3	Decachlorobiphenyl	22.9			60 - 140		114%	SPK: 20		

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	ICE Service Group, Inc.		Date Collected:	10/24/25
Project:	NWIRP Northrup Grumman Site – Bethpage, NY		Date Received:	10/24/25
Client Sample ID:	PIBLK-PQ071120.D		SDG No.:	Q3400
Lab Sample ID:	I.BLK-PQ071120.D		Matrix:	WATER
Analytical Method:	8082A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
12674-11-2	Aroclor-1016	0.25	U	1	0.097	0.25	0.50	ug/L	10/24/25	PQ102425
11104-28-2	Aroclor-1221	0.40	U	1	0.13	0.40	0.50	ug/L	10/24/25	PQ102425
11141-16-5	Aroclor-1232	0.25	U	1	0.096	0.25	0.50	ug/L	10/24/25	PQ102425
53469-21-9	Aroclor-1242	0.25	U	1	0.12	0.25	0.50	ug/L	10/24/25	PQ102425
12672-29-6	Aroclor-1248	0.25	U	1	0.071	0.25	0.50	ug/L	10/24/25	PQ102425
11097-69-1	Aroclor-1254	0.25	U	1	0.094	0.25	0.50	ug/L	10/24/25	PQ102425
11096-82-5	Aroclor-1260	0.25	U	1	0.081	0.25	0.50	ug/L	10/24/25	PQ102425
37324-23-5	Aroclor-1262	0.40	U	1	0.14	0.40	0.50	ug/L	10/24/25	PQ102425
11100-14-4	Aroclor-1268	0.25	U	1	0.11	0.25	0.50	ug/L	10/24/25	PQ102425
SURROGATES										
877-09-8	Tetrachloro-m-xylene	18.0			60 - 140		90%	SPK: 20		
2051-24-3	Decachlorobiphenyl	21.9			60 - 140		110%	SPK: 20		

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E = Value Exceeds Calibration Range

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Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance 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

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	ICE Service Group, Inc.		Date Collected:	10/24/25
Project:	NWIRP Northrup Grumman Site – Bethpage, NY		Date Received:	10/24/25
Client Sample ID:	PIBLK-PQ071128.D		SDG No.:	Q3400
Lab Sample ID:	I.BLK-PQ071128.D		Matrix:	WATER
Analytical Method:	8082A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
12674-11-2	Aroclor-1016	0.25	U	1	0.097	0.25	0.50	ug/L	10/24/25	PQ102425
11104-28-2	Aroclor-1221	0.40	U	1	0.13	0.40	0.50	ug/L	10/24/25	PQ102425
11141-16-5	Aroclor-1232	0.25	U	1	0.096	0.25	0.50	ug/L	10/24/25	PQ102425
53469-21-9	Aroclor-1242	0.25	U	1	0.12	0.25	0.50	ug/L	10/24/25	PQ102425
12672-29-6	Aroclor-1248	0.25	U	1	0.071	0.25	0.50	ug/L	10/24/25	PQ102425
11097-69-1	Aroclor-1254	0.25	U	1	0.094	0.25	0.50	ug/L	10/24/25	PQ102425
11096-82-5	Aroclor-1260	0.25	U	1	0.081	0.25	0.50	ug/L	10/24/25	PQ102425
37324-23-5	Aroclor-1262	0.40	U	1	0.14	0.40	0.50	ug/L	10/24/25	PQ102425
11100-14-4	Aroclor-1268	0.25	U	1	0.11	0.25	0.50	ug/L	10/24/25	PQ102425
SURROGATES										
877-09-8	Tetrachloro-m-xylene	18.4			60 - 140		92%	SPK: 20		
2051-24-3	Decachlorobiphenyl	22.9			60 - 140		115%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance 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

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

() = Laboratory InHouse Limit

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: PB170211BS
Lab Sample ID: PB170211BS
Analytical Method: 8082A
Sample Wt/Vol: 1000 mL Final Vol: 10000 uL
Prep Method: Prep Date: 10/22/25

Date Collected:
Date Received:
SDG No.: Q3400
Matrix: WATER
% Solid: 0
Test: PCB

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
12674-11-2	Aroclor-1016	4.90		1	0.097	0.25	0.50	ug/L	10/24/25 09:34	PB170211
11104-28-2	Aroclor-1221	0.40	U	1	0.13	0.40	0.50	ug/L	10/24/25 09:34	PB170211
11141-16-5	Aroclor-1232	0.25	U	1	0.096	0.25	0.50	ug/L	10/24/25 09:34	PB170211
53469-21-9	Aroclor-1242	0.25	U	1	0.12	0.25	0.50	ug/L	10/24/25 09:34	PB170211
12672-29-6	Aroclor-1248	0.25	U	1	0.071	0.25	0.50	ug/L	10/24/25 09:34	PB170211
11097-69-1	Aroclor-1254	0.25	U	1	0.094	0.25	0.50	ug/L	10/24/25 09:34	PB170211
37324-23-5	Aroclor-1262	0.40	U	1	0.14	0.40	0.50	ug/L	10/24/25 09:34	PB170211
11100-14-4	Aroclor-1268	0.25	U	1	0.11	0.25	0.50	ug/L	10/24/25 09:34	PB170211
11096-82-5	Aroclor-1260	5.30		1	0.081	0.25	0.50	ug/L	10/24/25 09:34	PB170211
SURROGATES										
877-09-8	Tetrachloro-m-xylene	21.6			35 - 137		108%	SPK: 20		
2051-24-3	Decachlorobiphenyl	25.2			40 - 135		126%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance 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

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

() = Laboratory InHouse Limit

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: PB170211BSD
Lab Sample ID: PB170211BSD
Analytical Method: 8082A
Sample Wt/Vol: 1000 mL Final Vol: 10000 uL
Prep Method: Prep Date: 10/22/25

Date Collected:
Date Received:
SDG No.: Q3400
Matrix: WATER
% Solid: 0
Test: PCB

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
12674-11-2	Aroclor-1016	5.30		1	0.097	0.25	0.50	ug/L	10/24/25 09:51	PB170211
11104-28-2	Aroclor-1221	0.40	U	1	0.13	0.40	0.50	ug/L	10/24/25 09:51	PB170211
11141-16-5	Aroclor-1232	0.25	U	1	0.096	0.25	0.50	ug/L	10/24/25 09:51	PB170211
53469-21-9	Aroclor-1242	0.25	U	1	0.12	0.25	0.50	ug/L	10/24/25 09:51	PB170211
12672-29-6	Aroclor-1248	0.25	U	1	0.071	0.25	0.50	ug/L	10/24/25 09:51	PB170211
11097-69-1	Aroclor-1254	0.25	U	1	0.094	0.25	0.50	ug/L	10/24/25 09:51	PB170211
37324-23-5	Aroclor-1262	0.40	U	1	0.14	0.40	0.50	ug/L	10/24/25 09:51	PB170211
11100-14-4	Aroclor-1268	0.25	U	1	0.11	0.25	0.50	ug/L	10/24/25 09:51	PB170211
11096-82-5	Aroclor-1260	5.40		1	0.081	0.25	0.50	ug/L	10/24/25 09:51	PB170211
SURROGATES										
877-09-8	Tetrachloro-m-xylene	22.4			35 - 137		112%	SPK: 20		
2051-24-3	Decachlorobiphenyl	25.7			40 - 135		128%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance 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

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

() = Laboratory InHouse Limit

LAB CHRONICLE

OrderID:	Q3400	OrderDate:	10/20/2025 1:25:31 PM
Client:	ICE Service Group, Inc.	Project:	NWIRP Northrup Grumman Site – Bethpage, NY
Contact:	Dennis D. Morgan, II	Location:	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3400-01	FRAC-TANK-0760450	Water			10/20/25			10/20/25
			Mercury	7470A		10/21/25	10/21/25	
			Metals Group4	6010D		10/21/25	10/21/25	



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

Hit Summary Sheet
SW-846

SDG No.: Q3400 **Order ID:** Q3400
Client: ICE Service Group, Inc. **Project ID:** NWIRP Northrup Grumman Site – Bethpag

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : FRAC-TANK-0760450									
Q3400-01	FRAC-TANK-0760450	Water	Arsenic	13.4		2.56	7.50	10.0	ug/L
Q3400-01	FRAC-TANK-0760450	Water	Barium	168		7.28	12.5	50.0	ug/L
Q3400-01	FRAC-TANK-0760450	Water	Cadmium	0.34	J	0.25	0.75	3.00	ug/L
Q3400-01	FRAC-TANK-0760450	Water	Chromium	67.3		1.06	2.50	5.00	ug/L
Q3400-01	FRAC-TANK-0760450	Water	Copper	51.5		2.30	8.00	10.0	ug/L
Q3400-01	FRAC-TANK-0760450	Water	Lead	49.5		1.15	4.80	6.00	ug/L
Q3400-01	FRAC-TANK-0760450	Water	Mercury	0.15	J	0.076	0.16	0.20	ug/L
Q3400-01	FRAC-TANK-0760450	Water	Nickel	24.8		1.53	5.00	20.0	ug/L
Q3400-01	FRAC-TANK-0760450	Water	Zinc	70.2		8.33	7.50	20.0	ug/L



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:	FRAC-TANK-0760450	SDG No.:	Q3400
Lab Sample ID:	Q3400-01	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	13.4		1	2.56	7.50	10.0	ug/L	10/21/25 16:10	10/21/25 18:44	6010D	SW3010
7440-39-3	Barium	168		1	7.28	12.5	50.0	ug/L	10/21/25 16:10	10/21/25 18:44	6010D	SW3010
7440-43-9	Cadmium	0.34	JN	1	0.25	0.75	3.00	ug/L	10/21/25 16:10	10/21/25 18:44	6010D	SW3010
7440-47-3	Chromium	67.3		1	1.06	2.50	5.00	ug/L	10/21/25 16:10	10/21/25 18:44	6010D	SW3010
7440-50-8	Copper	51.5		1	2.30	8.00	10.0	ug/L	10/21/25 16:10	10/21/25 18:44	6010D	SW3010
7439-92-1	Lead	49.5	N	1	1.15	4.80	6.00	ug/L	10/21/25 16:10	10/21/25 18:44	6010D	SW3010
7439-97-6	Mercury	0.15	J	1	0.076	0.16	0.20	ug/L	10/21/25 12:55	10/21/25 17:38	7470A	
7440-02-0	Nickel	24.8		1	1.53	5.00	20.0	ug/L	10/21/25 16:10	10/21/25 18:44	6010D	SW3010
7782-49-2	Selenium	8.00	U	1	4.82	8.00	10.0	ug/L	10/21/25 16:10	10/21/25 18:44	6010D	SW3010
7440-22-4	Silver	2.50	U	1	0.81	2.50	5.00	ug/L	10/21/25 16:10	10/21/25 18:44	6010D	SW3010
7440-66-6	Zinc	70.2		1	8.33	7.50	20.0	ug/L	10/21/25 16:10	10/21/25 18:44	6010D	SW3010

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ICE Service Group, Inc.

SDG No.: Q3400

Contract: ICES02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV82	Mercury	4.02	4.0	101	90 - 110	CV	10/21/2025	17:10	LB137605

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ICE Service Group, Inc.

SDG No.: Q3400

Contract: ICES02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV68	Mercury	4.81	5.0	96	90 - 110	CV	10/21/2025	17:15	LB137605
CCV69	Mercury	5.28	5.0	106	90 - 110	CV	10/21/2025	17:43	LB137605
CCV70	Mercury	5.12	5.0	102	90 - 110	CV	10/21/2025	18:00	LB137605

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ICE Service Group, Inc.

SDG No.: Q3400

Contract: ICES02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Arsenic	3800	4000	95	95 - 105	P	10/21/2025	12:40	LB137613
	Barium	7500	8000	94	95 - 105	P	10/21/2025	12:40	LB137613
	Cadmium	1890	2000	94	95 - 105	P	10/21/2025	12:40	LB137613
	Chromium	784	800	98	95 - 105	P	10/21/2025	12:40	LB137613
	Copper	976	1000	98	95 - 105	P	10/21/2025	12:40	LB137613
	Lead	3700	4000	92	95 - 105	P	10/21/2025	12:40	LB137613
	Nickel	1910	2000	95	95 - 105	P	10/21/2025	12:40	LB137613
	Selenium	3850	4000	96	95 - 105	P	10/21/2025	12:40	LB137613
	Silver	956	1000	96	95 - 105	P	10/21/2025	12:40	LB137613
	Zinc	1920	2000	96	95 - 105	P	10/21/2025	12:40	LB137613

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ICE Service Group, Inc.

SDG No.: Q3400

Contract: ICES02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Arsenic	20.1	20.0	100	80 - 120	P	10/21/2025	12:44	LB137613
	Barium	95.0	100	95	80 - 120	P	10/21/2025	12:44	LB137613
	Cadmium	5.68	6.0	95	80 - 120	P	10/21/2025	12:44	LB137613
	Chromium	9.98	10.0	100	80 - 120	P	10/21/2025	12:44	LB137613
	Copper	21.5	20.0	107	80 - 120	P	10/21/2025	12:44	LB137613
	Lead	11.0	12.0	92	80 - 120	P	10/21/2025	12:44	LB137613
	Nickel	38.9	40.0	97	80 - 120	P	10/21/2025	12:44	LB137613
	Selenium	23.1	20.0	115	80 - 120	P	10/21/2025	12:44	LB137613
	Silver	10.3	10.0	103	80 - 120	P	10/21/2025	12:44	LB137613
	Zinc	41.7	40.0	104	80 - 120	P	10/21/2025	12:44	LB137613

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ICE Service Group, Inc.

SDG No.: Q3400

Contract: ICES02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Arsenic	4820	5000	96	90 - 110	P	10/21/2025	13:45	LB137613
	Barium	9660	10000	97	90 - 110	P	10/21/2025	13:45	LB137613
	Cadmium	2420	2500	97	90 - 110	P	10/21/2025	13:45	LB137613
	Chromium	976	1000	98	90 - 110	P	10/21/2025	13:45	LB137613
	Copper	1220	1250	98	90 - 110	P	10/21/2025	13:45	LB137613
	Lead	4800	5000	96	90 - 110	P	10/21/2025	13:45	LB137613
	Nickel	2410	2500	97	90 - 110	P	10/21/2025	13:45	LB137613
	Selenium	4820	5000	96	90 - 110	P	10/21/2025	13:45	LB137613
	Silver	1200	1250	96	90 - 110	P	10/21/2025	13:45	LB137613
	Zinc	2430	2500	97	90 - 110	P	10/21/2025	13:45	LB137613
CCV02	Arsenic	4830	5000	97	90 - 110	P	10/21/2025	15:03	LB137613
	Barium	9800	10000	98	90 - 110	P	10/21/2025	15:03	LB137613
	Cadmium	2310	2500	92	90 - 110	P	10/21/2025	15:03	LB137613
	Chromium	934	1000	93	90 - 110	P	10/21/2025	15:03	LB137613
	Copper	1210	1250	96	90 - 110	P	10/21/2025	15:03	LB137613
	Lead	4660	5000	93	90 - 110	P	10/21/2025	15:03	LB137613
	Nickel	2330	2500	93	90 - 110	P	10/21/2025	15:03	LB137613
	Selenium	4920	5000	98	90 - 110	P	10/21/2025	15:03	LB137613
	Silver	1200	1250	96	90 - 110	P	10/21/2025	15:03	LB137613
	Zinc	2370	2500	95	90 - 110	P	10/21/2025	15:03	LB137613
CCV03	Arsenic	4820	5000	96	90 - 110	P	10/21/2025	15:56	LB137613
	Barium	9710	10000	97	90 - 110	P	10/21/2025	15:56	LB137613
	Cadmium	2330	2500	93	90 - 110	P	10/21/2025	15:56	LB137613
	Chromium	941	1000	94	90 - 110	P	10/21/2025	15:56	LB137613
	Copper	1210	1250	96	90 - 110	P	10/21/2025	15:56	LB137613
	Lead	4680	5000	94	90 - 110	P	10/21/2025	15:56	LB137613
	Nickel	2350	2500	94	90 - 110	P	10/21/2025	15:56	LB137613
	Selenium	4870	5000	97	90 - 110	P	10/21/2025	15:56	LB137613
	Silver	1200	1250	96	90 - 110	P	10/21/2025	15:56	LB137613
	Zinc	2390	2500	96	90 - 110	P	10/21/2025	15:56	LB137613
CCV04	Arsenic	4750	5000	95	90 - 110	P	10/21/2025	16:48	LB137613
	Barium	9490	10000	95	90 - 110	P	10/21/2025	16:48	LB137613
	Cadmium	2300	2500	92	90 - 110	P	10/21/2025	16:48	LB137613
	Chromium	934	1000	93	90 - 110	P	10/21/2025	16:48	LB137613

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ICE Service Group, Inc.

SDG No.: Q3400

Contract: ICES02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Copper	1190	1250	96	90 - 110	P	10/21/2025	16:48	LB137613
	Lead	4640	5000	93	90 - 110	P	10/21/2025	16:48	LB137613
	Nickel	2330	2500	93	90 - 110	P	10/21/2025	16:48	LB137613
	Selenium	4830	5000	97	90 - 110	P	10/21/2025	16:48	LB137613
	Silver	1210	1250	97	90 - 110	P	10/21/2025	16:48	LB137613
	Zinc	2400	2500	96	90 - 110	P	10/21/2025	16:48	LB137613
CCV05	Arsenic	4900	5000	98	90 - 110	P	10/21/2025	17:37	LB137613
	Barium	9470	10000	95	90 - 110	P	10/21/2025	17:37	LB137613
	Cadmium	2370	2500	95	90 - 110	P	10/21/2025	17:37	LB137613
	Chromium	964	1000	96	90 - 110	P	10/21/2025	17:37	LB137613
	Copper	1220	1250	98	90 - 110	P	10/21/2025	17:37	LB137613
	Lead	4780	5000	96	90 - 110	P	10/21/2025	17:37	LB137613
	Nickel	2390	2500	96	90 - 110	P	10/21/2025	17:37	LB137613
	Selenium	5030	5000	100	90 - 110	P	10/21/2025	17:37	LB137613
	Silver	1210	1250	97	90 - 110	P	10/21/2025	17:37	LB137613
	Zinc	2430	2500	97	90 - 110	P	10/21/2025	17:37	LB137613
CCV06	Arsenic	4750	5000	95	90 - 110	P	10/21/2025	18:27	LB137613
	Barium	9370	10000	94	90 - 110	P	10/21/2025	18:27	LB137613
	Cadmium	2270	2500	91	90 - 110	P	10/21/2025	18:27	LB137613
	Chromium	905	1000	90	90 - 110	P	10/21/2025	18:27	LB137613
	Copper	1180	1250	95	90 - 110	P	10/21/2025	18:27	LB137613
	Lead	4610	5000	92	90 - 110	P	10/21/2025	18:27	LB137613
	Nickel	2300	2500	92	90 - 110	P	10/21/2025	18:27	LB137613
	Selenium	4870	5000	97	90 - 110	P	10/21/2025	18:27	LB137613
	Silver	1170	1250	94	90 - 110	P	10/21/2025	18:27	LB137613
	Zinc	2320	2500	93	90 - 110	P	10/21/2025	18:27	LB137613
	Arsenic	4770	5000	95	90 - 110	P	10/21/2025	19:18	LB137613
	Barium	9640	10000	96	90 - 110	P	10/21/2025	19:18	LB137613
CCV07	Cadmium	2320	2500	93	90 - 110	P	10/21/2025	19:18	LB137613
	Chromium	945	1000	94	90 - 110	P	10/21/2025	19:18	LB137613
	Copper	1200	1250	96	90 - 110	P	10/21/2025	19:18	LB137613
	Lead	4680	5000	94	90 - 110	P	10/21/2025	19:18	LB137613
	Nickel	2350	2500	94	90 - 110	P	10/21/2025	19:18	LB137613
	Selenium	4850	5000	97	90 - 110	P	10/21/2025	19:18	LB137613

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ICE Service Group, Inc.

SDG No.: Q3400

Contract: ICES02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Silver	1190	1250	95	90 - 110	P	10/21/2025	19:18	LB137613
	Zinc	2370	2500	95	90 - 110	P	10/21/2025	19:18	LB137613
CCV08	Arsenic	4850	5000	97	90 - 110	P	10/21/2025	20:03	LB137613
	Barium	9610	10000	96	90 - 110	P	10/21/2025	20:03	LB137613
	Cadmium	2330	2500	93	90 - 110	P	10/21/2025	20:03	LB137613
	Chromium	915	1000	92	90 - 110	P	10/21/2025	20:03	LB137613
	Copper	1210	1250	97	90 - 110	P	10/21/2025	20:03	LB137613
	Lead	4730	5000	94	90 - 110	P	10/21/2025	20:03	LB137613
	Nickel	2350	2500	94	90 - 110	P	10/21/2025	20:03	LB137613
	Selenium	4970	5000	100	90 - 110	P	10/21/2025	20:03	LB137613
	Silver	1190	1250	95	90 - 110	P	10/21/2025	20:03	LB137613
	Zinc	2340	2500	94	90 - 110	P	10/21/2025	20:03	LB137613

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ICE Service Group, Inc.

SDG No.: Q3400

Contract: ICES02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Arsenic	4060	4000	102	90 - 110	P	11/03/2025	12:08	LB137750
	Barium	7810	8000	98	90 - 110	P	11/03/2025	12:08	LB137750
	Cadmium	1990	2000	100	90 - 110	P	11/03/2025	12:08	LB137750
	Chromium	832	800	104	90 - 110	P	11/03/2025	12:08	LB137750
	Copper	1030	1000	103	90 - 110	P	11/03/2025	12:08	LB137750
	Lead	4020	4000	101	90 - 110	P	11/03/2025	12:08	LB137750
	Nickel	2010	2000	101	90 - 110	P	11/03/2025	12:08	LB137750
	Selenium	4110	4000	103	90 - 110	P	11/03/2025	12:08	LB137750
	Silver	1030	1000	103	90 - 110	P	11/03/2025	12:08	LB137750
	Zinc	2040	2000	102	90 - 110	P	11/03/2025	12:08	LB137750

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ICE Service Group, Inc.

SDG No.: Q3400

Contract: ICES02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Arsenic	20.9	20.0	105	80 - 120	P	11/03/2025	12:27	LB137750
	Barium	92.2	100	92	80 - 120	P	11/03/2025	12:27	LB137750
	Cadmium	5.83	6.0	97	80 - 120	P	11/03/2025	12:27	LB137750
	Chromium	10.2	10.0	102	80 - 120	P	11/03/2025	12:27	LB137750
	Copper	21.5	20.0	108	80 - 120	P	11/03/2025	12:27	LB137750
	Lead	11.0	12.0	91	80 - 120	P	11/03/2025	12:27	LB137750
	Nickel	39.5	40.0	99	80 - 120	P	11/03/2025	12:27	LB137750
	Selenium	17.7	20.0	89	80 - 120	P	11/03/2025	12:27	LB137750
	Silver	9.97	10.0	100	80 - 120	P	11/03/2025	12:27	LB137750
	Zinc	40.5	40.0	101	80 - 120	P	11/03/2025	12:27	LB137750

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client:	<u>ICE Service Group, Inc.</u>	SDG No.:	<u>Q3400</u>
Contract:	<u>ICES02</u>	Lab Code:	<u>ACE</u>
Initial Calibration Source:	<u>EPA</u>		
Continuing Calibration Source:	<u>Inorganic Ventures</u>		

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Arsenic	5120	5000	102	90 - 110	P	11/03/2025	12:56	LB137750
	Barium	10200	10000	102	90 - 110	P	11/03/2025	12:56	LB137750
	Cadmium	2540	2500	102	90 - 110	P	11/03/2025	12:56	LB137750
	Chromium	1030	1000	103	90 - 110	P	11/03/2025	12:56	LB137750
	Copper	1280	1250	103	90 - 110	P	11/03/2025	12:56	LB137750
	Lead	5070	5000	101	90 - 110	P	11/03/2025	12:56	LB137750
	Nickel	2540	2500	102	90 - 110	P	11/03/2025	12:56	LB137750
	Selenium	5150	5000	103	90 - 110	P	11/03/2025	12:56	LB137750
	Silver	1280	1250	102	90 - 110	P	11/03/2025	12:56	LB137750
	Zinc	2590	2500	104	90 - 110	P	11/03/2025	12:56	LB137750
CCV02	Arsenic	4950	5000	99	90 - 110	P	11/03/2025	14:07	LB137750
	Barium	9540	10000	95	90 - 110	P	11/03/2025	14:07	LB137750
	Cadmium	2460	2500	98	90 - 110	P	11/03/2025	14:07	LB137750
	Chromium	1010	1000	101	90 - 110	P	11/03/2025	14:07	LB137750
	Copper	1230	1250	98	90 - 110	P	11/03/2025	14:07	LB137750
	Lead	4910	5000	98	90 - 110	P	11/03/2025	14:07	LB137750
	Nickel	2450	2500	98	90 - 110	P	11/03/2025	14:07	LB137750
	Selenium	5010	5000	100	90 - 110	P	11/03/2025	14:07	LB137750
	Silver	1240	1250	99	90 - 110	P	11/03/2025	14:07	LB137750
	Zinc	2500	2500	100	90 - 110	P	11/03/2025	14:07	LB137750
CCV03	Arsenic	5060	5000	101	90 - 110	P	11/03/2025	15:00	LB137750
	Barium	9920	10000	99	90 - 110	P	11/03/2025	15:00	LB137750
	Cadmium	2530	2500	101	90 - 110	P	11/03/2025	15:00	LB137750
	Chromium	1020	1000	102	90 - 110	P	11/03/2025	15:00	LB137750
	Copper	1280	1250	102	90 - 110	P	11/03/2025	15:00	LB137750
	Lead	5030	5000	101	90 - 110	P	11/03/2025	15:00	LB137750
	Nickel	2540	2500	102	90 - 110	P	11/03/2025	15:00	LB137750
	Selenium	5100	5000	102	90 - 110	P	11/03/2025	15:00	LB137750
	Silver	1260	1250	101	90 - 110	P	11/03/2025	15:00	LB137750
	Zinc	2540	2500	102	90 - 110	P	11/03/2025	15:00	LB137750
CCV04	Arsenic	4940	5000	99	90 - 110	P	11/03/2025	15:51	LB137750
	Barium	9490	10000	95	90 - 110	P	11/03/2025	15:51	LB137750
	Cadmium	2450	2500	98	90 - 110	P	11/03/2025	15:51	LB137750
	Chromium	1010	1000	101	90 - 110	P	11/03/2025	15:51	LB137750

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ICE Service Group, Inc.

SDG No.: Q3400

Contract: ICES02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Copper	1240	1250	99	90 - 110	P	11/03/2025	15:51	LB137750
	Lead	4870	5000	97	90 - 110	P	11/03/2025	15:51	LB137750
	Nickel	2460	2500	98	90 - 110	P	11/03/2025	15:51	LB137750
	Selenium	4970	5000	100	90 - 110	P	11/03/2025	15:51	LB137750
	Silver	1230	1250	99	90 - 110	P	11/03/2025	15:51	LB137750
	Zinc	2480	2500	99	90 - 110	P	11/03/2025	15:51	LB137750
CCV05	Arsenic	4980	5000	100	90 - 110	P	11/03/2025	16:41	LB137750
	Barium	9610	10000	96	90 - 110	P	11/03/2025	16:41	LB137750
	Cadmium	2420	2500	97	90 - 110	P	11/03/2025	16:41	LB137750
	Chromium	992	1000	99	90 - 110	P	11/03/2025	16:41	LB137750
	Copper	1240	1250	99	90 - 110	P	11/03/2025	16:41	LB137750
	Lead	4870	5000	97	90 - 110	P	11/03/2025	16:41	LB137750
	Nickel	2460	2500	98	90 - 110	P	11/03/2025	16:41	LB137750
	Selenium	5090	5000	102	90 - 110	P	11/03/2025	16:41	LB137750
	Silver	1240	1250	100	90 - 110	P	11/03/2025	16:41	LB137750
	Zinc	2490	2500	100	90 - 110	P	11/03/2025	16:41	LB137750
CCV06	Arsenic	4850	5000	97	90 - 110	P	11/03/2025	17:32	LB137750
	Barium	9540	10000	95	90 - 110	P	11/03/2025	17:32	LB137750
	Cadmium	2410	2500	96	90 - 110	P	11/03/2025	17:32	LB137750
	Chromium	979	1000	98	90 - 110	P	11/03/2025	17:32	LB137750
	Copper	1220	1250	98	90 - 110	P	11/03/2025	17:32	LB137750
	Lead	4800	5000	96	90 - 110	P	11/03/2025	17:32	LB137750
	Nickel	2440	2500	98	90 - 110	P	11/03/2025	17:32	LB137750
	Selenium	4910	5000	98	90 - 110	P	11/03/2025	17:32	LB137750
	Silver	1210	1250	97	90 - 110	P	11/03/2025	17:32	LB137750
	Zinc	2440	2500	98	90 - 110	P	11/03/2025	17:32	LB137750
	Arsenic	4830	5000	96	90 - 110	P	11/03/2025	18:21	LB137750
	Barium	9600	10000	96	90 - 110	P	11/03/2025	18:21	LB137750
CCV07	Cadmium	2390	2500	96	90 - 110	P	11/03/2025	18:21	LB137750
	Chromium	955	1000	96	90 - 110	P	11/03/2025	18:21	LB137750
	Copper	1210	1250	97	90 - 110	P	11/03/2025	18:21	LB137750
	Lead	4790	5000	96	90 - 110	P	11/03/2025	18:21	LB137750
	Nickel	2430	2500	97	90 - 110	P	11/03/2025	18:21	LB137750
	Selenium	4900	5000	98	90 - 110	P	11/03/2025	18:21	LB137750

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ICE Service Group, Inc.

SDG No.: Q3400

Contract: ICES02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Silver	1200	1250	96	90 - 110	P	11/03/2025	18:21	LB137750
	Zinc	2420	2500	97	90 - 110	P	11/03/2025	18:21	LB137750
CCV08	Arsenic	5.12	5000	0	90 - 110	P	11/03/2025	19:11	LB137750
	Barium	14.6	10000	0	90 - 110	P	11/03/2025	19:11	LB137750
	Cadmium	0.50	2500	0	90 - 110	P	11/03/2025	19:11	LB137750
	Chromium	2.12	1000	0	90 - 110	P	11/03/2025	19:11	LB137750
	Copper	4.60	1250	0	90 - 110	P	11/03/2025	19:11	LB137750
	Lead	2.30	5000	0	90 - 110	P	11/03/2025	19:11	LB137750
	Nickel	3.06	2500	0	90 - 110	P	11/03/2025	19:11	LB137750
	Selenium	9.64	5000	0	90 - 110	P	11/03/2025	19:11	LB137750
	Silver	1.62	1250	0	90 - 110	P	11/03/2025	19:11	LB137750
	Zinc	16.7	2500	0	90 - 110	P	11/03/2025	19:11	LB137750
CCV09	Arsenic	4920	5000	98	90 - 110	P	11/03/2025	20:02	LB137750
	Barium	9460	10000	95	90 - 110	P	11/03/2025	20:02	LB137750
	Cadmium	2440	2500	98	90 - 110	P	11/03/2025	20:02	LB137750
	Chromium	989	1000	99	90 - 110	P	11/03/2025	20:02	LB137750
	Copper	1230	1250	99	90 - 110	P	11/03/2025	20:02	LB137750
	Lead	4860	5000	97	90 - 110	P	11/03/2025	20:02	LB137750
	Nickel	2470	2500	99	90 - 110	P	11/03/2025	20:02	LB137750
	Selenium	4970	5000	99	90 - 110	P	11/03/2025	20:02	LB137750
	Silver	1220	1250	98	90 - 110	P	11/03/2025	20:02	LB137750
	Zinc	2460	2500	98	90 - 110	P	11/03/2025	20:02	LB137750
CCV10	Arsenic	4870	5000	97	90 - 110	P	11/03/2025	20:15	LB137750
	Barium	9520	10000	95	90 - 110	P	11/03/2025	20:15	LB137750
	Cadmium	2430	2500	97	90 - 110	P	11/03/2025	20:15	LB137750
	Chromium	974	1000	97	90 - 110	P	11/03/2025	20:15	LB137750
	Copper	1230	1250	98	90 - 110	P	11/03/2025	20:15	LB137750
	Lead	4840	5000	97	90 - 110	P	11/03/2025	20:15	LB137750
	Nickel	2460	2500	98	90 - 110	P	11/03/2025	20:15	LB137750
	Selenium	4920	5000	98	90 - 110	P	11/03/2025	20:15	LB137750
	Silver	1210	1250	97	90 - 110	P	11/03/2025	20:15	LB137750
	Zinc	2450	2500	98	90 - 110	P	11/03/2025	20:15	LB137750



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

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: ICE Service Group, Inc.

SDG No.: Q3400

Contract: ICES02

Lab Code: ACE

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Arsenic	22.2	20.0	111	65 - 135	P	10/21/2025	12:54	LB137613
	Barium	98.1	100	98	65 - 135	P	10/21/2025	12:54	LB137613
	Cadmium	5.59	6.0	93	65 - 135	P	10/21/2025	12:54	LB137613
	Chromium	9.94	10.0	99	65 - 135	P	10/21/2025	12:54	LB137613
	Copper	21.6	20.0	108	65 - 135	P	10/21/2025	12:54	LB137613
	Lead	11.9	12.0	99	65 - 135	P	10/21/2025	12:54	LB137613
	Nickel	38.6	40.0	96	65 - 135	P	10/21/2025	12:54	LB137613
	Selenium	24.3	20.0	121	65 - 135	P	10/21/2025	12:54	LB137613
	Silver	9.95	10.0	100	65 - 135	P	10/21/2025	12:54	LB137613
	Zinc	41.9	40.0	105	65 - 135	P	10/21/2025	12:54	LB137613
CRA	Mercury	0.17	0.2	83	70 - 130	CV	10/21/2025	17:19	LB137605
CRI01	Arsenic	20.9	20.0	105	65 - 135	P	11/03/2025	12:35	LB137750
	Barium	98.9	100	99	65 - 135	P	11/03/2025	12:35	LB137750
	Cadmium	5.88	6.0	98	65 - 135	P	11/03/2025	12:35	LB137750
	Chromium	10.5	10.0	106	65 - 135	P	11/03/2025	12:35	LB137750
	Copper	22.2	20.0	111	65 - 135	P	11/03/2025	12:35	LB137750
	Lead	12.7	12.0	106	65 - 135	P	11/03/2025	12:35	LB137750
	Nickel	40.3	40.0	101	65 - 135	P	11/03/2025	12:35	LB137750
	Selenium	17.2	20.0	86	65 - 135	P	11/03/2025	12:35	LB137750
	Silver	10.2	10.0	102	65 - 135	P	11/03/2025	12:35	LB137750
	Zinc	42.3	40.0	106	65 - 135	P	11/03/2025	12:35	LB137750



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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:

ICE Service Group, Inc.

SDG No.:

Q3400

Contract:

ICES02

Lab Code:

ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB82	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	10/21/2025	17:12	LB137605

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: ICE Service Group, Inc.

SDG No.: Q3400

Contract: ICES02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB68	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	10/21/2025	17:17	LB137605
CCB69	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	10/21/2025	17:45	LB137605
CCB70	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	10/21/2025	18:03	LB137605

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: ICE Service Group, Inc.

SDG No.: Q3400

Contract: ICES02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	5.12	+/-10	U	15.0	20.0	P	10/21/2025	12:50	LB137613
	Barium	14.6	+/-50	U	25.0	100	P	10/21/2025	12:50	LB137613
	Cadmium	0.50	+/-3	U	1.50	6.00	P	10/21/2025	12:50	LB137613
	Chromium	2.12	+/-5	U	5.00	10.0	P	10/21/2025	12:50	LB137613
	Copper	4.60	+/-10	U	16.0	20.0	P	10/21/2025	12:50	LB137613
	Lead	2.30	+/-6	U	9.60	12.0	P	10/21/2025	12:50	LB137613
	Nickel	3.06	+/-20	U	10.0	40.0	P	10/21/2025	12:50	LB137613
	Selenium	9.64	+/-10	U	16.0	20.0	P	10/21/2025	12:50	LB137613
	Silver	1.62	+/-5	U	5.00	10.0	P	10/21/2025	12:50	LB137613
	Zinc	16.7	+/-20	U	15.0	40.0	P	10/21/2025	12:50	LB137613

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: ICE Service Group, Inc.

SDG No.: Q3400

Contract: ICES02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	5.12	+/-10	U	15.0	20.0	P	10/21/2025	13:54	LB137613
	Barium	14.6	+/-50	U	25.0	100	P	10/21/2025	13:54	LB137613
	Cadmium	0.50	+/-3	U	1.50	6.00	P	10/21/2025	13:54	LB137613
	Chromium	2.12	+/-5	U	5.00	10.0	P	10/21/2025	13:54	LB137613
	Copper	4.60	+/-10	U	16.0	20.0	P	10/21/2025	13:54	LB137613
	Lead	2.30	+/-6	U	9.60	12.0	P	10/21/2025	13:54	LB137613
	Nickel	3.06	+/-20	U	10.0	40.0	P	10/21/2025	13:54	LB137613
	Selenium	9.64	+/-10	U	16.0	20.0	P	10/21/2025	13:54	LB137613
	Silver	1.62	+/-5	U	5.00	10.0	P	10/21/2025	13:54	LB137613
	Zinc	16.7	+/-20	U	15.0	40.0	P	10/21/2025	13:54	LB137613
CCB02	Arsenic	5.12	+/-10	U	15.0	20.0	P	10/21/2025	15:07	LB137613
	Barium	14.6	+/-50	U	25.0	100	P	10/21/2025	15:07	LB137613
	Cadmium	0.50	+/-3	U	1.50	6.00	P	10/21/2025	15:07	LB137613
	Chromium	2.12	+/-5	U	5.00	10.0	P	10/21/2025	15:07	LB137613
	Copper	4.60	+/-10	U	16.0	20.0	P	10/21/2025	15:07	LB137613
	Lead	2.30	+/-6	U	9.60	12.0	P	10/21/2025	15:07	LB137613
	Nickel	3.06	+/-20	U	10.0	40.0	P	10/21/2025	15:07	LB137613
	Selenium	9.64	+/-10	U	16.0	20.0	P	10/21/2025	15:07	LB137613
	Silver	1.62	+/-5	U	5.00	10.0	P	10/21/2025	15:07	LB137613
	Zinc	16.7	+/-20	U	15.0	40.0	P	10/21/2025	15:07	LB137613
CCB03	Arsenic	5.12	+/-10	U	15.0	20.0	P	10/21/2025	16:00	LB137613
	Barium	14.6	+/-50	U	25.0	100	P	10/21/2025	16:00	LB137613
	Cadmium	0.50	+/-3	U	1.50	6.00	P	10/21/2025	16:00	LB137613
	Chromium	2.83	+/-5	J	5.00	10.0	P	10/21/2025	16:00	LB137613
	Copper	4.60	+/-10	U	16.0	20.0	P	10/21/2025	16:00	LB137613
	Lead	2.30	+/-6	U	9.60	12.0	P	10/21/2025	16:00	LB137613
	Nickel	3.06	+/-20	U	10.0	40.0	P	10/21/2025	16:00	LB137613
	Selenium	9.64	+/-10	U	16.0	20.0	P	10/21/2025	16:00	LB137613
	Silver	1.62	+/-5	U	5.00	10.0	P	10/21/2025	16:00	LB137613
	Zinc	16.7	+/-20	U	15.0	40.0	P	10/21/2025	16:00	LB137613
CCB04	Arsenic	5.12	+/-10	U	15.0	20.0	P	10/21/2025	16:52	LB137613
	Barium	14.6	+/-50	U	25.0	100	P	10/21/2025	16:52	LB137613
	Cadmium	0.50	+/-3	U	1.50	6.00	P	10/21/2025	16:52	LB137613
	Chromium	2.12	+/-5	U	5.00	10.0	P	10/21/2025	16:52	LB137613
	Copper	4.60	+/-10	U	16.0	20.0	P	10/21/2025	16:52	LB137613
	Lead	2.30	+/-6	U	9.60	12.0	P	10/21/2025	16:52	LB137613
	Nickel	3.06	+/-20	U	10.0	40.0	P	10/21/2025	16:52	LB137613
	Selenium	9.64	+/-10	U	16.0	20.0	P	10/21/2025	16:52	LB137613
	Silver	1.62	+/-5	U	5.00	10.0	P	10/21/2025	16:52	LB137613

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: ICE Service Group, Inc.

SDG No.: Q3400

Contract: ICES02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Zinc	16.7	+/-20	U	15.0	40.0	P	10/21/2025	16:52	LB137613
CCB05	Arsenic	5.12	+/-10	U	15.0	20.0	P	10/21/2025	17:41	LB137613
	Barium	14.6	+/-50	U	25.0	100	P	10/21/2025	17:41	LB137613
	Cadmium	0.50	+/-3	U	1.50	6.00	P	10/21/2025	17:41	LB137613
	Chromium	2.12	+/-5	U	5.00	10.0	P	10/21/2025	17:41	LB137613
	Copper	4.60	+/-10	U	16.0	20.0	P	10/21/2025	17:41	LB137613
	Lead	2.30	+/-6	U	9.60	12.0	P	10/21/2025	17:41	LB137613
	Nickel	3.06	+/-20	U	10.0	40.0	P	10/21/2025	17:41	LB137613
	Selenium	9.64	+/-10	U	16.0	20.0	P	10/21/2025	17:41	LB137613
	Silver	1.62	+/-5	U	5.00	10.0	P	10/21/2025	17:41	LB137613
	Zinc	16.7	+/-20	U	15.0	40.0	P	10/21/2025	17:41	LB137613
CCB06	Arsenic	5.12	+/-10	U	15.0	20.0	P	10/21/2025	18:31	LB137613
	Barium	14.6	+/-50	U	25.0	100	P	10/21/2025	18:31	LB137613
	Cadmium	0.50	+/-3	U	1.50	6.00	P	10/21/2025	18:31	LB137613
	Chromium	2.12	+/-5	U	5.00	10.0	P	10/21/2025	18:31	LB137613
	Copper	4.60	+/-10	U	16.0	20.0	P	10/21/2025	18:31	LB137613
	Lead	2.30	+/-6	U	9.60	12.0	P	10/21/2025	18:31	LB137613
	Nickel	3.06	+/-20	U	10.0	40.0	P	10/21/2025	18:31	LB137613
	Selenium	9.64	+/-10	U	16.0	20.0	P	10/21/2025	18:31	LB137613
	Silver	1.62	+/-5	U	5.00	10.0	P	10/21/2025	18:31	LB137613
	Zinc	16.7	+/-20	U	15.0	40.0	P	10/21/2025	18:31	LB137613
CCB07	Arsenic	5.12	+/-10	U	15.0	20.0	P	10/21/2025	19:22	LB137613
	Barium	14.6	+/-50	U	25.0	100	P	10/21/2025	19:22	LB137613
	Cadmium	0.50	+/-3	U	1.50	6.00	P	10/21/2025	19:22	LB137613
	Chromium	2.12	+/-5	U	5.00	10.0	P	10/21/2025	19:22	LB137613
	Copper	4.60	+/-10	U	16.0	20.0	P	10/21/2025	19:22	LB137613
	Lead	2.30	+/-6	U	9.60	12.0	P	10/21/2025	19:22	LB137613
	Nickel	3.06	+/-20	U	10.0	40.0	P	10/21/2025	19:22	LB137613
	Selenium	9.64	+/-10	U	16.0	20.0	P	10/21/2025	19:22	LB137613
	Silver	1.62	+/-5	U	5.00	10.0	P	10/21/2025	19:22	LB137613
	Zinc	16.7	+/-20	U	15.0	40.0	P	10/21/2025	19:22	LB137613
CCB08	Arsenic	5.12	+/-10	U	15.0	20.0	P	10/21/2025	20:07	LB137613
	Barium	14.6	+/-50	U	25.0	100	P	10/21/2025	20:07	LB137613
	Cadmium	0.50	+/-3	U	1.50	6.00	P	10/21/2025	20:07	LB137613
	Chromium	2.12	+/-5	U	5.00	10.0	P	10/21/2025	20:07	LB137613
	Copper	4.60	+/-10	U	16.0	20.0	P	10/21/2025	20:07	LB137613
	Lead	2.30	+/-6	U	9.60	12.0	P	10/21/2025	20:07	LB137613
	Nickel	3.06	+/-20	U	10.0	40.0	P	10/21/2025	20:07	LB137613
	Selenium	9.64	+/-10	U	16.0	20.0	P	10/21/2025	20:07	LB137613

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: ICE Service Group, Inc.

SDG No.: Q3400

Contract: ICES02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Silver	1.62	+/-5	U	5.00	10.0	P	10/21/2025	20:07	LB137613
	Zinc	16.7	+/-20	U	15.0	40.0	P	10/21/2025	20:07	LB137613

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: ICE Service Group, Inc.

SDG No.: Q3400

Contract: ICES02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	5.12	+/-10	U	15.0	20.0	P	11/03/2025	12:31	LB137750
	Barium	14.6	+/-50	U	25.0	100	P	11/03/2025	12:31	LB137750
	Cadmium	0.50	+/-3	U	1.50	6.00	P	11/03/2025	12:31	LB137750
	Chromium	2.12	+/-5	U	5.00	10.0	P	11/03/2025	12:31	LB137750
	Copper	4.60	+/-10	U	16.0	20.0	P	11/03/2025	12:31	LB137750
	Lead	2.30	+/-6	U	9.60	12.0	P	11/03/2025	12:31	LB137750
	Nickel	3.06	+/-20	U	10.0	40.0	P	11/03/2025	12:31	LB137750
	Selenium	9.64	+/-10	U	16.0	20.0	P	11/03/2025	12:31	LB137750
	Silver	1.62	+/-5	U	5.00	10.0	P	11/03/2025	12:31	LB137750
	Zinc	16.7	+/-20	U	15.0	40.0	P	11/03/2025	12:31	LB137750



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Client: ICE Service Group, Inc.

SDG No.: Q3400

Contract: ICES02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	5.12	+/-10	U	15.0	20.0	P	11/03/2025	13:01	LB137750
	Barium	14.6	+/-50	U	25.0	100	P	11/03/2025	13:01	LB137750
	Cadmium	0.50	+/-3	U	1.50	6.00	P	11/03/2025	13:01	LB137750
	Chromium	2.12	+/-5	U	5.00	10.0	P	11/03/2025	13:01	LB137750
	Copper	4.60	+/-10	U	16.0	20.0	P	11/03/2025	13:01	LB137750
	Lead	2.30	+/-6	U	9.60	12.0	P	11/03/2025	13:01	LB137750
	Nickel	3.06	+/-20	U	10.0	40.0	P	11/03/2025	13:01	LB137750
	Selenium	9.64	+/-10	U	16.0	20.0	P	11/03/2025	13:01	LB137750
	Silver	1.62	+/-5	U	5.00	10.0	P	11/03/2025	13:01	LB137750
	Zinc	16.7	+/-20	U	15.0	40.0	P	11/03/2025	13:01	LB137750
CCB02	Arsenic	5.12	+/-10	U	15.0	20.0	P	11/03/2025	14:11	LB137750
	Barium	14.6	+/-50	U	25.0	100	P	11/03/2025	14:11	LB137750
	Cadmium	0.50	+/-3	U	1.50	6.00	P	11/03/2025	14:11	LB137750
	Chromium	2.12	+/-5	U	5.00	10.0	P	11/03/2025	14:11	LB137750
	Copper	4.60	+/-10	U	16.0	20.0	P	11/03/2025	14:11	LB137750
	Lead	2.30	+/-6	U	9.60	12.0	P	11/03/2025	14:11	LB137750
	Nickel	3.06	+/-20	U	10.0	40.0	P	11/03/2025	14:11	LB137750
	Selenium	9.64	+/-10	U	16.0	20.0	P	11/03/2025	14:11	LB137750
	Silver	1.62	+/-5	U	5.00	10.0	P	11/03/2025	14:11	LB137750
	Zinc	16.7	+/-20	U	15.0	40.0	P	11/03/2025	14:11	LB137750
CCB03	Arsenic	5.12	+/-10	U	15.0	20.0	P	11/03/2025	15:04	LB137750
	Barium	14.6	+/-50	U	25.0	100	P	11/03/2025	15:04	LB137750
	Cadmium	0.50	+/-3	U	1.50	6.00	P	11/03/2025	15:04	LB137750
	Chromium	2.12	+/-5	U	5.00	10.0	P	11/03/2025	15:04	LB137750
	Copper	4.60	+/-10	U	16.0	20.0	P	11/03/2025	15:04	LB137750
	Lead	2.30	+/-6	U	9.60	12.0	P	11/03/2025	15:04	LB137750
	Nickel	3.06	+/-20	U	10.0	40.0	P	11/03/2025	15:04	LB137750
	Selenium	9.64	+/-10	U	16.0	20.0	P	11/03/2025	15:04	LB137750
	Silver	1.62	+/-5	U	5.00	10.0	P	11/03/2025	15:04	LB137750
	Zinc	16.7	+/-20	U	15.0	40.0	P	11/03/2025	15:04	LB137750
CCB04	Arsenic	5.12	+/-10	U	15.0	20.0	P	11/03/2025	15:55	LB137750
	Barium	14.6	+/-50	U	25.0	100	P	11/03/2025	15:55	LB137750
	Cadmium	0.50	+/-3	U	1.50	6.00	P	11/03/2025	15:55	LB137750
	Chromium	2.12	+/-5	U	5.00	10.0	P	11/03/2025	15:55	LB137750
	Copper	4.60	+/-10	U	16.0	20.0	P	11/03/2025	15:55	LB137750
	Lead	2.30	+/-6	U	9.60	12.0	P	11/03/2025	15:55	LB137750
	Nickel	3.06	+/-20	U	10.0	40.0	P	11/03/2025	15:55	LB137750
	Selenium	9.64	+/-10	U	16.0	20.0	P	11/03/2025	15:55	LB137750
	Silver	1.62	+/-5	U	5.00	10.0	P	11/03/2025	15:55	LB137750

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: ICE Service Group, Inc.

SDG No.: Q3400

Contract: ICES02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Zinc	16.7	+/-20	U	15.0	40.0	P	11/03/2025	15:55	LB137750
CCB05	Arsenic	5.12	+/-10	U	15.0	20.0	P	11/03/2025	16:45	LB137750
	Barium	14.6	+/-50	U	25.0	100	P	11/03/2025	16:45	LB137750
	Cadmium	0.50	+/-3	U	1.50	6.00	P	11/03/2025	16:45	LB137750
	Chromium	2.12	+/-5	U	5.00	10.0	P	11/03/2025	16:45	LB137750
	Copper	4.60	+/-10	U	16.0	20.0	P	11/03/2025	16:45	LB137750
	Lead	2.30	+/-6	U	9.60	12.0	P	11/03/2025	16:45	LB137750
	Nickel	3.06	+/-20	U	10.0	40.0	P	11/03/2025	16:45	LB137750
	Selenium	9.64	+/-10	U	16.0	20.0	P	11/03/2025	16:45	LB137750
	Silver	1.62	+/-5	U	5.00	10.0	P	11/03/2025	16:45	LB137750
	Zinc	16.7	+/-20	U	15.0	40.0	P	11/03/2025	16:45	LB137750
CCB06	Arsenic	5.12	+/-10	U	15.0	20.0	P	11/03/2025	17:36	LB137750
	Barium	14.6	+/-50	U	25.0	100	P	11/03/2025	17:36	LB137750
	Cadmium	0.50	+/-3	U	1.50	6.00	P	11/03/2025	17:36	LB137750
	Chromium	2.12	+/-5	U	5.00	10.0	P	11/03/2025	17:36	LB137750
	Copper	4.60	+/-10	U	16.0	20.0	P	11/03/2025	17:36	LB137750
	Lead	2.30	+/-6	U	9.60	12.0	P	11/03/2025	17:36	LB137750
	Nickel	3.06	+/-20	U	10.0	40.0	P	11/03/2025	17:36	LB137750
	Selenium	9.64	+/-10	U	16.0	20.0	P	11/03/2025	17:36	LB137750
	Silver	1.62	+/-5	U	5.00	10.0	P	11/03/2025	17:36	LB137750
	Zinc	16.7	+/-20	U	15.0	40.0	P	11/03/2025	17:36	LB137750
CCB07	Arsenic	5.12	+/-10	U	15.0	20.0	P	11/03/2025	18:25	LB137750
	Barium	14.6	+/-50	U	25.0	100	P	11/03/2025	18:25	LB137750
	Cadmium	0.50	+/-3	U	1.50	6.00	P	11/03/2025	18:25	LB137750
	Chromium	2.12	+/-5	U	5.00	10.0	P	11/03/2025	18:25	LB137750
	Copper	4.60	+/-10	U	16.0	20.0	P	11/03/2025	18:25	LB137750
	Lead	2.30	+/-6	U	9.60	12.0	P	11/03/2025	18:25	LB137750
	Nickel	3.06	+/-20	U	10.0	40.0	P	11/03/2025	18:25	LB137750
	Selenium	9.64	+/-10	U	16.0	20.0	P	11/03/2025	18:25	LB137750
	Silver	1.62	+/-5	U	5.00	10.0	P	11/03/2025	18:25	LB137750
	Zinc	16.7	+/-20	U	15.0	40.0	P	11/03/2025	18:25	LB137750
CCB08	Arsenic	5.12	+/-10	U	15.0	20.0	P	11/03/2025	19:15	LB137750
	Barium	14.6	+/-50	U	25.0	100	P	11/03/2025	19:15	LB137750
	Cadmium	0.50	+/-3	U	1.50	6.00	P	11/03/2025	19:15	LB137750
	Chromium	2.12	+/-5	U	5.00	10.0	P	11/03/2025	19:15	LB137750
	Copper	4.60	+/-10	U	16.0	20.0	P	11/03/2025	19:15	LB137750
	Lead	2.30	+/-6	U	9.60	12.0	P	11/03/2025	19:15	LB137750
	Nickel	3.06	+/-20	U	10.0	40.0	P	11/03/2025	19:15	LB137750
	Selenium	9.64	+/-10	U	16.0	20.0	P	11/03/2025	19:15	LB137750

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: ICE Service Group, Inc.

SDG No.: Q3400

Contract: ICES02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Silver	1.62	+/-5	U	5.00	10.0	P	11/03/2025	19:15	LB137750
	Zinc	16.7	+/-20	U	15.0	40.0	P	11/03/2025	19:15	LB137750
CCB09	Arsenic	5.12	+/-10	U	15.0	20.0	P	11/03/2025	20:06	LB137750
	Barium	14.6	+/-50	U	25.0	100	P	11/03/2025	20:06	LB137750
	Cadmium	0.50	+/-3	U	1.50	6.00	P	11/03/2025	20:06	LB137750
	Chromium	2.12	+/-5	U	5.00	10.0	P	11/03/2025	20:06	LB137750
	Copper	4.60	+/-10	U	16.0	20.0	P	11/03/2025	20:06	LB137750
	Lead	2.30	+/-6	U	9.60	12.0	P	11/03/2025	20:06	LB137750
	Nickel	3.06	+/-20	U	10.0	40.0	P	11/03/2025	20:06	LB137750
	Selenium	9.64	+/-10	U	16.0	20.0	P	11/03/2025	20:06	LB137750
	Silver	1.62	+/-5	U	5.00	10.0	P	11/03/2025	20:06	LB137750
	Zinc	16.7	+/-20	U	15.0	40.0	P	11/03/2025	20:06	LB137750
CCB10	Arsenic	5.12	+/-10	U	15.0	20.0	P	11/03/2025	20:19	LB137750
	Barium	14.6	+/-50	U	25.0	100	P	11/03/2025	20:19	LB137750
	Cadmium	0.50	+/-3	U	1.50	6.00	P	11/03/2025	20:19	LB137750
	Chromium	2.12	+/-5	U	5.00	10.0	P	11/03/2025	20:19	LB137750
	Copper	4.60	+/-10	U	16.0	20.0	P	11/03/2025	20:19	LB137750
	Lead	2.30	+/-6	U	9.60	12.0	P	11/03/2025	20:19	LB137750
	Nickel	3.06	+/-20	U	10.0	40.0	P	11/03/2025	20:19	LB137750
	Selenium	9.64	+/-10	U	16.0	20.0	P	11/03/2025	20:19	LB137750
	Silver	1.62	+/-5	U	5.00	10.0	P	11/03/2025	20:19	LB137750
	Zinc	16.7	+/-20	U	15.0	40.0	P	11/03/2025	20:19	LB137750

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: ICE Service Group, Inc.

SDG No.: Q3400

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170194BL		WATER		Batch Number:		PB170194		Prep Date:	10/21/2025	
	Mercury	0.076	<0.2	U	0.16	0.20	CV	10/21/2025	17:26	LB137605

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: ICE Service Group, Inc.

SDG No.: Q3400

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170192BL	WATER			Batch Number:		PB170192		Prep Date:	10/21/2025	
	Arsenic	2.56	<5	U	7.50	10.0	P	11/03/2025	13:22	LB137750
	Barium	7.28	<25	U	12.5	50.0	P	11/03/2025	13:22	LB137750
	Cadmium	0.25	<1.5	U	0.75	3.00	P	11/03/2025	13:22	LB137750
	Chromium	1.06	<2.5	U	2.50	5.00	P	11/03/2025	13:22	LB137750
	Copper	2.30	<5	U	8.00	10.0	P	11/03/2025	13:22	LB137750
	Lead	1.15	<3	U	4.80	6.00	P	11/03/2025	13:22	LB137750
	Nickel	1.53	<10	U	5.00	20.0	P	11/03/2025	13:22	LB137750
	Selenium	4.82	<5	U	8.00	10.0	P	11/03/2025	13:22	LB137750
	Silver	0.81	<2.5	U	2.50	5.00	P	11/03/2025	13:22	LB137750
	Zinc	8.33	<10	U	7.50	20.0	P	11/03/2025	13:22	LB137750

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: ICE Service Group, Inc.	SDG No.: Q3400
Contract: ICES02	Lab Code: ACE
ICS Source: EPA	Instrument ID: P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Arsenic	7.43			-20	20	10/21/2025	12:59	LB137613
	Barium	0.21	6.0	4	-94	106	10/21/2025	12:59	LB137613
	Cadmium	1.42	1.0	142	-5	7	10/21/2025	12:59	LB137613
	Chromium	43.7	52.0	84	42	62	10/21/2025	12:59	LB137613
	Copper	17.8	2.0	890	-18	22	10/21/2025	12:59	LB137613
	Lead	-3.56			-12	12	10/21/2025	12:59	LB137613
	Nickel	3.80	2.0	190	-38	42	10/21/2025	12:59	LB137613
	Selenium	6.37			-20	20	10/21/2025	12:59	LB137613
	Silver	-2.89			-10	10	10/21/2025	12:59	LB137613
	Zinc	3.44			-40	40	10/21/2025	12:59	LB137613
ICSAB01	Arsenic	103	104	99	88.4	120	10/21/2025	13:03	LB137613
	Barium	471	537	88	437	637	10/21/2025	13:03	LB137613
	Cadmium	974	972	100	826	1120	10/21/2025	13:03	LB137613
	Chromium	536	542	99	460	624	10/21/2025	13:03	LB137613
	Copper	479	511	94	434	588	10/21/2025	13:03	LB137613
	Lead	45.8	49.0	94	37	61	10/21/2025	13:03	LB137613
	Nickel	973	954	102	810	1100	10/21/2025	13:03	LB137613
	Selenium	55.1	46.0	120	26	66	10/21/2025	13:03	LB137613
	Silver	203	201	101	170	232	10/21/2025	13:03	LB137613
	Zinc	1020	952	107	809	1095	10/21/2025	13:03	LB137613
ICSA01	Arsenic	6.54			-20	20	11/03/2025	12:40	LB137750
	Barium	-0.78	6.0	13	-94	106	11/03/2025	12:40	LB137750
	Cadmium	0.78	1.0	78	-5	7	11/03/2025	12:40	LB137750
	Chromium	48.6	52.0	94	42	62	11/03/2025	12:40	LB137750
	Copper	-10.2	2.0	510	-18	22	11/03/2025	12:40	LB137750
	Lead	1.29			-12	12	11/03/2025	12:40	LB137750
	Nickel	4.87	2.0	244	-38	42	11/03/2025	12:40	LB137750
	Selenium	-1.21			-20	20	11/03/2025	12:40	LB137750
	Silver	0.99			-10	10	11/03/2025	12:40	LB137750
	Zinc	1.65			-40	40	11/03/2025	12:40	LB137750
ICSAB01	Arsenic	108	104	104	88.4	120	11/03/2025	12:44	LB137750
	Barium	492	537	92	437	637	11/03/2025	12:44	LB137750
	Cadmium	989	972	102	826	1120	11/03/2025	12:44	LB137750
	Chromium	564	542	104	460	624	11/03/2025	12:44	LB137750
	Copper	464	511	91	434	588	11/03/2025	12:44	LB137750
	Lead	50.4	49.0	103	37	61	11/03/2025	12:44	LB137750
	Nickel	999	954	105	810	1100	11/03/2025	12:44	LB137750
	Selenium	50.0	46.0	109	26	66	11/03/2025	12:44	LB137750
	Silver	209	201	104	170	232	11/03/2025	12:44	LB137750
	Zinc	1040	952	109	809	1095	11/03/2025	12:44	LB137750



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: ICE Service Group, Inc.	level: low	sdg no.: Q3400
contract: ICES02		lab code: ACE
matrix: Water	sample id: Q3370-01	client id: WATER-TREATMENT DISCHARGEMS
Percent Solids for Sample: NA	Spiked ID: Q3370-01MS	Percent Solids for Spike Sample: NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	87 - 113	382		10.0	U	400	96		P
Barium	ug/L	88 - 113	115		23.9	J	100	91		P
Cadmium	ug/L	88 - 113	87.9		3.00	U	100	88	N	P
Chromium	ug/L	90 - 113	202		15.2		200	93		P
Copper	ug/L	86 - 114	157		17.7		150	93		P
Lead	ug/L	86 - 113	423		6.00	U	500	85	N	P
Nickel	ug/L	88 - 113	244		16.9	J	250	91		P
Selenium	ug/L	83 - 114	958		10.0	U	1000	96		P
Silver	ug/L	84 - 115	33.2		5.00	U	37.5	88		P
Zinc	ug/L	87 - 115	777		661		100	116		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: ICE Service Group, Inc.	level: low	sdg no.: Q3400
contract: ICES02		lab code: ACE
matrix: Water	sample id: Q3370-01	client id: WATER-TREATMENT DISCHARGEMSD
Percent Solids for Sample: NA	Spiked ID: Q3370-01MSD	Percent Solids for Spike Sample: NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	87 - 113	383		10.0	U	400	96		P
Barium	ug/L	88 - 113	117		23.9	J	100	93		P
Cadmium	ug/L	88 - 113	88.5		3.00	U	100	88		P
Chromium	ug/L	90 - 113	200		15.2		200	93		P
Copper	ug/L	86 - 114	158		17.7		150	93		P
Lead	ug/L	86 - 113	427		6.00	U	500	85	N	P
Nickel	ug/L	88 - 113	245		16.9	J	250	91		P
Selenium	ug/L	83 - 114	961		10.0	U	1000	96		P
Silver	ug/L	84 - 115	33.5		5.00	U	37.5	89		P
Zinc	ug/L	87 - 115	761		661		100	100		P

metals
- 5a -
MATRIX SPIKE SUMMARY

client:	<u>ICE Service Group, Inc.</u>	level:	<u>low</u>	sdg no.:	<u>Q3400</u>
contract:	<u>ICES02</u>			lab code:	<u>ACE</u>
matrix:	<u>Water</u>	sample id:	<u>Q3400-01</u>	client id:	<u>FRAC-TANK-0760450MS</u>
Percent Solids for Sample:	NA	Spiked ID:	Q3400-01MS	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	82 - 119	4.49		0.15	J	4.0	109		CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: ICE Service Group, Inc.	level: low	sdg no.: Q3400
contract: ICES02		lab code: ACE
matrix: Water	sample id: Q3400-01	client id: FRAC-TANK-0760450MSD
Percent Solids for Sample: NA	Spiked ID: Q3400-01MSD	Percent Solids for Spike Sample: NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	82 - 119	3.74		0.15	J	4.0	90		CV

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: ICE Service Group, Inc.	SDG No.: Q3400	
Contract: ICES02	Lab Code: ACE	
Matrix: Water	Level: LOW	Client ID: WATER-TREATMENT DISCHARGE A
Sample ID: Q3370-01	Spiked ID: Q3370-01A	

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cadmium	ug/L	88 - 113	89.0		3.00	U	100	89		P
Lead	ug/L	86 - 113	429		6.00	U	500	86	N	P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: ICE Service Group, Inc. **Level:** LOW **SDG No.:** Q3400
Contract: ICES02 **Lab Code:** ACE
Matrix: Water **Sample ID:** Q3370-01 **Client ID:** WATER-TREATMENT DISCHARGEDU
Percent Solids for Sample: NA **Duplicate ID** Q3370-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	10.0	U	10.0	U			P
Barium	ug/L	20	23.9	J	22.8	J	5		P
Cadmium	ug/L	20	3.00	U	3.00	U			P
Chromium	ug/L	20	15.2		15.3		1		P
Copper	ug/L	20	17.7		17.6		1		P
Lead	ug/L	20	6.00	U	6.00	U			P
Nickel	ug/L	20	16.9	J	17.3	J	2		P
Selenium	ug/L	20	10.0	U	10.0	U			P
Silver	ug/L	20	5.00	U	5.00	U			P
Zinc	ug/L	20	661		667		1		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>ICE Service Group, Inc.</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3400</u>
Contract:	<u>ICES02</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3370-01MS</u>	Client ID:	<u>WATER-TREATMENT DISCHARGEMS</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3370-01MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	382		383		0		P
Barium	ug/L	20	115		117		2		P
Cadmium	ug/L	20	87.9		88.5		1		P
Chromium	ug/L	20	202		200		1		P
Copper	ug/L	20	157		158		1		P
Lead	ug/L	20	423		427		1		P
Nickel	ug/L	20	244		245		0		P
Selenium	ug/L	20	958		961		0		P
Silver	ug/L	20	33.2		33.5		1		P
Zinc	ug/L	20	777		761		2		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>ICE Service Group, Inc.</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3400</u>
Contract:	<u>ICES02</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3400-01</u>	Client ID:	<u>FRAC-TANK-0760450DUP</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3400-01DUP	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	0.15	J	0.13	J	10		CV

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>ICE Service Group, Inc.</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3400</u>
Contract:	<u>ICES02</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3400-01MS</u>	Client ID:	<u>FRAC-TANK-0760450MSD</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3400-01MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	4.49		3.74		18		CV

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client:	<u>ICE Service Group, Inc.</u>	SDG No.:	<u>Q3400</u>
Contract:	<u>ICES02</u>	Lab Code:	<u>ACE</u>

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170192BS							
Arsenic	ug/L	400	374		94	87 - 113	P
Barium	ug/L	100	89.3		89	88 - 113	P
Cadmium	ug/L	100	90.6		91	88 - 113	P
Chromium	ug/L	200	194		97	90 - 113	P
Copper	ug/L	150	147		98	86 - 114	P
Lead	ug/L	500	450		90	86 - 113	P
Nickel	ug/L	250	232		93	88 - 113	P
Selenium	ug/L	1000	941		94	83 - 114	P
Silver	ug/L	37.5	36.0		96	84 - 115	P
Zinc	ug/L	100	96.6		97	87 - 115	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: ICE Service Group, Inc.

SDG No.: Q3400

Contract: ICES02

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170194BS Mercury	ug/L	4.0	4.68		117	82 - 119	CV

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

WATER-TREATMENT DISCHARGEL

Lab Name: Alliance **Contract:** ICES02
Lab Code: ACE **Lb No.:** lb137613 **Lab Sample ID :** Q3370-01L **SDG No.:** Q3400
Matrix (soil/water): Water **Level (low/med):** LOW
Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ- ence	Q	M
Arsenic	10.0	U	50.0	U			P
Barium	23.9	J	250	U	100.0		P
Cadmium	3.00	U	15.0	U			P
Chromium	15.2		14.7	J	3		P
Copper	17.7		18.7	J	6		P
Lead	6.00	U	30.0	U			P
Nickel	16.9	J	17.0	J	0		P
Selenium	10.0	U	50.0	U			P
Silver	5.00	U	25.0	U			P
Zinc	661		669		1		P

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

FRAC-TANK-0760450L

Lab Name: Alliance **Contract:** ICES02
Lab Code: ACE **Lb No.:** lb137605 **Lab Sample ID :** Q3400-01L **SDG No.:** Q3400
Matrix (soil/water): Water **Level (low/med):** LOW
Concentration Units: ug/L

Analyte	Initial Sample Result (I)	Serial Dilution Result (S)	% Differ- ence	Q	M
Mercury	0.15 J	1.00 U	100.0		CV



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: ICE Service Group, Inc.

SDG No.: Q3400

Contract: ICES02

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Al	Ca	Fe	Mg	Ag
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: ICE Service Group, Inc.

SDG No.: Q3400

Contract: ICES02

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		As	Ba	Be	Cd	Co
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: ICE Service Group, Inc.

SDG No.: Q3400

Contract: ICES02

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Cr	Cu	K	Mn	Mo
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: ICE Service Group, Inc.

SDG No.: Q3400

Contract: ICES02

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Na	Ni	Pb	Sb	Se
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: ICE Service Group, Inc.

SDG No.: Q3400

Contract: ICES02

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Sn	Ti	Tl	V	Zn
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

METAL
PREPARATION &
ANALYICAL
SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client: ICE Service Group, Inc.

SDG No.: Q3400

Contract: ICES02

Lab Code: ACE

Method: _____

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB170192							
PB170192BL	PB170192BL	MB	WATER	10/21/2025	50.0	25.0	
PB170192BS	PB170192BS	LCS	WATER	10/21/2025	50.0	25.0	
Q3370-01DUP	WATER-TREATMENT DISCHARGEDUP	DUP	WATER	10/21/2025	50.0	25.0	
Q3370-01MS	WATER-TREATMENT DISCHARGEMS	MS	WATER	10/21/2025	50.0	25.0	
Q3370-01MSD	WATER-TREATMENT DISCHARGEMSD	MSD	WATER	10/21/2025	50.0	25.0	
Q3400-01	FRAC-TANK-0760450	SAM	WATER	10/21/2025	50.0	25.0	

Metals

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SAMPLE PREPARATION SUMMARY

Client: ICE Service Group, Inc.

SDG No.: Q3400

Contract: ICES02

Lab Code: ACE

Method: _____

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB170194							
PB170194BL	PB170194BL	MB	WATER	10/21/2025	30.0	30.0	
PB170194BS	PB170194BS	LCS	WATER	10/21/2025	30.0	30.0	
Q3400-01	FRAC-TANK-0760450	SAM	WATER	10/21/2025	30.0	30.0	
Q3400-01DUP	FRAC-TANK-0760450DUP	DUP	WATER	10/21/2025	30.0	30.0	
Q3400-01MS	FRAC-TANK-0760450MS	MS	WATER	10/21/2025	30.0	30.0	
Q3400-01MSD	FRAC-TANK-0760450MSD	MSD	WATER	10/21/2025	30.0	30.0	

metals
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ANALYSIS RUN LOG

Client: ICE Service Group, Inc.

Contract: ICES02

Lab code: ACE

Sdg no.: Q3400

Instrument id number:

Method:

Run number: LB137605

Start date: 10/21/2025

End date: 10/21/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1646	HG
S0.2	S0.2	1	1649	HG
S2.5	S2.5	1	1652	HG
S5	S5	1	1654	HG
S7.5	S7.5	1	1659	HG
S10	S10	1	1707	HG
ICV82	ICV82	1	1710	HG
ICB82	ICB82	1	1712	HG
CCV68	CCV68	1	1715	HG
CCB68	CCB68	1	1717	HG
CRA	CRA	1	1719	HG
PB170194BL	PB170194BL	1	1726	HG
PB170194BS	PB170194BS	1	1728	HG
Q3400-01	FRAC-TANK-0760450	1	1738	HG
Q3400-01DUP	FRAC-TANK-0760450DUP	1	1741	HG
CCV69	CCV69	1	1743	HG
CCB69	CCB69	1	1745	HG
Q3400-01MS	FRAC-TANK-0760450MS	1	1747	HG
Q3400-01MSD	FRAC-TANK-0760450MSD	1	1750	HG
Q3400-01L	FRAC-TANK-0760450L	5	1752	HG
CCV70	CCV70	1	1800	HG
CCB70	CCB70	1	1803	HG

metals
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ANALYSIS RUN LOG

Client: ICE Service Group, Inc.

Contract: ICES02

Lab code: ACE

Sdg no.: Q3400

Instrument id number:

Method:

Run number: LB137613

Start date: 10/21/2025

End date: 10/21/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1203	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
S1	S1	1	1208	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
S2	S2	1	1212	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
S3	S3	1	1216	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
S4	S4	1	1221	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
S5	S5	1	1225	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICV01	ICV01	1	1240	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
LLICV01	LLICV01	1	1244	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICB01	ICB01	1	1250	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CRI01	CRI01	1	1254	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICSA01	ICSA01	1	1259	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICSAB01	ICSAB01	1	1303	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV01	CCV01	1	1345	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB01	CCB01	1	1354	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV02	CCV02	1	1503	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB02	CCB02	1	1507	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV03	CCV03	1	1556	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB03	CCB03	1	1600	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV04	CCV04	1	1648	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB04	CCB04	1	1652	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV05	CCV05	1	1737	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB05	CCB05	1	1741	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q3370-01DUP	WATER-TREATMENT DISCH#	1	1811	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q3370-01L	WATER-TREATMENT DISCH#	5	1815	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q3370-01MS	WATER-TREATMENT DISCH#	1	1819	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q3370-01MSD	WATER-TREATMENT DISCH#	1	1823	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV06	CCV06	1	1827	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB06	CCB06	1	1831	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q3370-01A	WATER-TREATMENT DISCH#	1	1836	Cd,Pb
Q3400-01	FRAC-TANK-0760450	1	1844	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV07	CCV07	1	1918	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB07	CCB07	1	1922	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV08	CCV08	1	2003	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB08	CCB08	1	2007	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn

metals
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ANALYSIS RUN LOG

Client: ICE Service Group, Inc.

Contract: ICES02

Lab code: ACE

Sdg no.: Q3400

Instrument id number:

Method:

Run number: LB137750

Start date: 11/03/2025

End date: 11/03/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1143	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
S1	S1	1	1147	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
S2	S2	1	1151	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
S3	S3	1	1155	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
S4	S4	1	1159	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
S5	S5	1	1204	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICV01	ICV01	1	1208	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
LLICV01	LLICV01	1	1227	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICB01	ICB01	1	1231	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CRI01	CRI01	1	1235	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICSA01	ICSA01	1	1240	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICSAB01	ICSAB01	1	1244	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV01	CCV01	1	1256	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB01	CCB01	1	1301	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
PB170192BL	PB170192BL	1	1322	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
PB170192BS	PB170192BS	1	1345	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV02	CCV02	1	1407	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB02	CCB02	1	1411	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV03	CCV03	1	1500	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB03	CCB03	1	1504	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV04	CCV04	1	1551	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB04	CCB04	1	1555	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV05	CCV05	1	1641	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB05	CCB05	1	1645	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV06	CCV06	1	1732	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB06	CCB06	1	1736	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV07	CCV07	1	1821	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB07	CCB07	1	1825	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV09	CCV09	1	2002	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB09	CCB09	1	2006	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV10	CCV10	1	2015	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB10	CCB10	1	2019	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn

LAB CHRONICLE

OrderID:	Q3400	OrderDate:	10/20/2025 1:25:31 PM
Client:	ICE Service Group, Inc.	Project:	NWIRP Northrup Grumman Site – Bethpage, NY
Contact:	Dennis D. Morgan, II	Location:	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3400-01	FRAC-TANK-0760450	WATER			10/20/25 12:30			10/20/25
			pH	9040C			10/22/25 09:10	
			TSS	SM2540 D			10/22/25 12:40	



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	10/20/25 12:30
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	10/20/25
Client Sample ID:	FRAC-TANK-0760450	SDG No.:	Q3400
Lab Sample ID:	Q3400-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
pH	7.62	H	1	0	0	0	pH		10/22/25 09:10	9040C
TSS	2900		1	1.00	4.00	4.00	mg/L		10/22/25 12:40	SM 2540 D-20

Comments: pH result reported at temperature 20.1 °C

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits

QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: ICE Service Group, Inc.

SDG No.: Q3400

Project: NWIRP Northrup Grumman Site – Bethpage, NY

RunNo.: LB137606

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV						
pH		pH	7.01	7	100	90–110	10/22/2025
Sample ID:	CCV1						
pH		pH	2.02	2.00	101	90–110	10/22/2025
Sample ID:	CCV2						
pH		pH	12.02	12.00	100	90–110	10/22/2025

Preparation Blank Summary

Client: ICE Service Group, Inc.

SDG No.: Q3400

Project: NWIRP Northrup Grumman Site – Bethpage, NY

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	LB137611BL						
TSS	mg/L	1	2.0000	J	1	4	10/22/2025

Duplicate Sample Summary

Client:	ICE Service Group, Inc.	SDG No.:	Q3400
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Sample ID:	Q3385-04
Client ID:	EFF-WWDUP	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
TSS	mg/L	+/-5	6.50		6.30		1	3.13		10/22/2025

Duplicate Sample Summary

Client:	ICE Service Group, Inc.	SDG No.:	Q3400
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Sample ID:	Q3398-01
Client ID:	A748DUP	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
pH	pH	+/-20	9.43		9.45		1	0.21		10/22/2025

Duplicate Sample Summary

Client:	ICE Service Group, Inc.	SDG No.:	Q3400
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Sample ID:	Q3400-01
Client ID:	FRAC-TANK-0760450DUP	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
pH	pH	+/-20	7.62		7.64		1	0.26		10/22/2025

Duplicate Sample Summary

Client: ICE Service Group, Inc.	SDG No.: Q3400
Project: NWIRP Northrup Grumman Site – Bethpage, NY	Sample ID: Q3417-01
Client ID: 101425DUP	Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
pH	pH	+/-20	5.60		5.62		1	0.36		10/22/2025

Laboratory Control Sample Summary

Client:	ICE Service Group, Inc.	SDG No.:	Q3400
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Run No.:	LB137611

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137611BS							
TSS	mg/L	550	532		97	1	90-110	10/22/2025